

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 10-02

December 11, 2009

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

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

**The following is a list of corrected copies published in previous Transmittal Letter:
09-24:**

Atlanta, GA, Atlanta/Hartsfield-Jackson Atlanta Intl, ILS PRM RWY 27L, Amdt 1

ILS PRM

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.25

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

ILS PRM RWY 27L ATLANTA/HARTSFIELD-JACKSON ATLANTA INTL (ATL)
(SIMULTANEOUS CLOSE PARALLEL) ATLANTA, GEORGIA

ATTENTION ALL USERS PAGE (AAUP)

Condensed Briefing Point:

When instructed, immediately switch to the tower frequency and select the monitor frequency audio.

1. **ATIS.** When the ATIS broadcast advises that simultaneous ILS/PRM approaches are in progress, pilots should brief to fly the ILS/PRM approach. If later advised to expect an ILS approach, the ILS/PRM chart may be used after completing the following briefing items:

- (a) Minimums and missed approach procedures are unchanged.
- (b) Monitor frequency no longer required.
- (c) A lower glideslope intercept altitude may be assigned when advised to expect an ILS approach.

2. **Dual VHF Communication required.** To avoid blocked transmissions, each runway will have two frequencies, a primary and a monitor frequency. The tower controller will transit on both frequencies. The Monitor controller transmissions, if needed, will override both frequencies. Pilots will **ONLY** transmit on the tower controller's frequency, but will listen to both frequencies. Select the monitor frequency audio only when instructed by ATC to contact the tower. The volume levels should be set about the same on both radios so that the pilots will be able to hear transmissions on at least one frequency if the other is blocked.

3. **All "Breakouts" are to be hand flown** to assure that the maneuver is accomplished in the shortest amount of time. Pilots, when directed by ATC to break off an approach, must assume that an aircraft is blundering toward their course and a breakout must be initiated immediately.

(a) ATC Directed "Breakouts:" ATC directed breakouts will consist of a turn and a climb or descent. Pilots must always initiate the breakout in response to an air traffic controller instruction. Controllers will give a descending breakout only when there are no other reasonable options available, but in no case will the descent be below minimum vectoring altitude (MVA) which provides at least 1,000 feet required obstruction clearance. The applicable MVA is 2,500 feet at ATL.

(b) Phraseology - "TRAFFIC ALERT:" If an aircraft enters the "NO TRANSGRESSION ZONE (NTZ)," the controller will breakout the threatened aircraft on the adjacent approach. The phraseology for the breakout will be:

"TRAFFIC ALERT, (aircraft call sign) TURN (left/right) IMMEDIATELY, HEADING (degrees), CLIMB/DESCEND AND MAINTAIN (altitude)".

4. **Glide Slope Navigation:** Descending on the glide slope ensures compliance with any charted crossing restrictions.

Special pilot training required. Pilots who are unable to participate, or dispatchers on their behalf, must contact the FAA Command Center prior to departure (1-800-333-4286 or 703-904-4452) to obtain an arrival reservation. Non-participating pilots enroute to ATL as an alternate, or trained pilots that are unexpectedly unable to participate due to in-flight circumstances will be afforded appropriate arrival services as operational conditions permit and shall notify the Atlanta ARTCC as soon as practical, but at least 100 miles from ATL.

(SIMULTANEOUS CLOSE PARALLEL) ATLANTA, GEORGIA
ILS PRM RWY 27L ATLANTA/HARTSFIELD-JACKSON ATLANTA INTL (ATL)

THIS IS A CORRECTED COPY - THIS PAGE WAS MISTAKENLY OMITTED FROM A PROCEDURE PUBLISHED IN TL 09-24.

CITY AND STATE	ELEVATION:	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GEORGIA	AIRPORT NAME:			ILS PRM RWY 27L, AMDT 1	AMDT:
	ATLANTA/HARTSFIELD - JACKSON ATLANTA INTL. (ATL)			19 NOV 09	DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30701 Amdt. No 3352]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

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

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

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

For Examination-

1. FAA Rules Docket, FAA Headquarters Building,
800 Independence Avenue, SW., Washington, DC 20591;
2. The FAA Regional Office of the region in which the
affected airport is located;
3. The National Flight Procedures Office, 6500 South
MacArthur Blvd., Oklahoma City, OK 73169 or,
4. The National Archives and Records Administration
(NARA). For information on the availability of this material at
NARA, call 202-741-6030, or go to:
http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

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

1. FAA Public Inquiry Center (APA-200), FAA Headquarters
Building, 800 Independence Avenue, SW., Washington, DC 20591; or
2. The FAA Regional Office of the region in which the
affected airport is located.

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

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

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

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

THE RULE

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

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

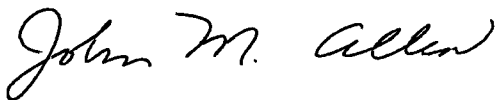
CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on **DEC 11 2009**



John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

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

Part 97—Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

Effective 14 JAN 2010

Muscle Shoals, AL, Northwest Alabama Rgnl, Takeoff Minimums and Obstacle DP, Orig
Wilmington, DE, New Castle, VOR RWY 1, Amdt 4
Wilmington, DE, New Castle, VOR OR GPS RWY 19, Amdt 4B, CANCELLED
Kansas City, MO, Kansas City Intl, RNAV (GPS) Y RWY 1R, Amdt 1A
Kansas City, MO, Kansas City Intl, RNAV (RNP) Z RWY 1R, Orig-A
Walnut Cove, NC, Meadow Brook Field, Takeoff Minimums and Obstacle DP, Amdt 1
Malone, NY, Malone-Dufort, VOR/DME-A, Amdt 1, CANCELLED
Wilkes-Barre/Scranton, PA, Wilkes-Barre/Scranton Intl, RNAV (GPS) RWY 22, Orig-A
Norfolk, VA, Hampton Roads Executive, NDB RWY 2, Amdt 7, CANCELLED

Effective 11 FEB 2010

Sylacauga, AL, Merkel Field Sylacauga Muni, RNAV (GPS) RWY 9, Amdt 1
Sylacauga, AL, Merkel Field Sylacauga Muni, RNAV (GPS) RWY 27, Amdt 1
Lake Village, AR, Lake Village Muni, GPS RWY 1, Orig-A, CANCELLED
Lake Village, AR, Lake Village Muni, GPS RWY 19, Orig, CANCELLED
Lake Village, AR, Lake Village Muni, RNAV (GPS) RWY 1, Orig
Lake Village, AR, Lake Village Muni, RNAV (GPS) RWY 19, Orig
Lake Village, AR, Lake Village Muni, Takeoff Minimums and Obstacle DP, Orig
West Memphis, AR, West Memphis Muni, GPS RWY 17, Orig-B, CANCELLED
West Memphis, AR, West Memphis Muni, GPS RWY 35, Orig-B, CANCELLED
West Memphis, AR, West Memphis Muni, RNAV (GPS) RWY 17, Orig
West Memphis, AR, West Memphis Muni, RNAV (GPS) RWY 35, Orig
Scottsdale, AZ, Scottsdale, Takeoff Minimums and Obstacle DP, Amdt 8
Little River, CA, Little River, LITTLE RIVER ONE Graphic Obstacle DP
Little River, CA, Little River, Takeoff Minimums and Obstacle DP, Orig
Van Nuys, CA, Van Nuys, Takeoff Minimums and Obstacle DP, Amdt 4
Grand Junction, CO, Grand Junction Rgnl, ILS OR LOC RWY 11, Amdt 16
Titusville, FL, Space Coast Rgnl, RNAV (GPS) RWY 36, Orig-A
Weno Island, FM, Chuuk Intl, Takeoff Minimums and Obstacle DP, Amdt 2
Bainbridge, GA, Decatur Co Industrial Air Park, ILS OR LOC RWY 27, Orig
Cornelia, GA, Habersham County, Takeoff Minimums and Obstacle DP, Amdt 3
Forest City, IA, Forest City Muni, Takeoff Minimums and Obstacle DP, Amdt 2
Boise, ID, Boise Air Terminal/Gowen Field, GOWEN ONE Graphic Obstacle DP
Boise, ID, Boise Air Terminal/Gowen Field, Takeoff Minimums and Obstacle DP, Amdt 6
Boise, ID, Boise Air Terminal/Gowen Field, VOR/DME OR TACAN RWY 28L, Amdt 2
Coeur D'Alene, ID, Coeur D'Alene-Pappy Boyington Field, COEUR D'ALENE ONE
Graphic Obstacle DP
Coeur D'Alene, ID, Coeur D'Alene-Pappy Boyington Field, Takeoff Minimums and
Obstacle DP, Amdt 9

Junction City, KS, Freeman Field, Takeoff Minimums and Obstacle DP, Amdt 2
Minneapolis, MN, Flying Cloud, COPTER ILS OR LOC RWY 10R, Amdt 1
Minneapolis, MN, Flying Cloud, ILS OR LOC RWY 10R, Amdt 3
Minneapolis, MN, Flying Cloud, VOR RWY 10R, Amdt 9
Minneapolis, MN, Flying Cloud, VOR RWY 36, Amdt 12, CANCELLED
Minneapolis, MN, Flying Cloud, VOR/DME RWY 36, Orig
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, CONVERGING ILS
RWY 30R, Amdt 1
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, CONVERGING ILS
RWY 35, Amdt 2
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, ILS OR LOC RWY 12L,
ILS RWY 12L (CAT II), ILS RWY 12L (CAT III), Amdt 8
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, ILS OR LOC RWY 12R,
ILS RWY 12R (CAT II), ILS RWY 12R (CAT III), Amdt 9
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, ILS OR LOC RWY 30R,
Amdt 13
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, ILS OR LOC RWY 35,
ILS RWY 35 (CAT II), ILS RWY 35 (CAT III), Amdt 2
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, LOC RWY 4, Amdt 1
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, LOC RWY 17, Amdt 1
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, LOC RWY 22, Amdt 1
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, RNAV (GPS) RWY 12L,
Amdt 2
St. Paul, MN, St. Paul Downtown Holman Field, COPTER ILS OR LOC RWY 32, Orig-A,
CANCELLED
St. Paul, MN, St. Paul Downtown Holman Field, ILS OR LOC RWY 14, Amdt 1
St. Paul, MN, St. Paul Downtown Holman Field, ILS OR LOC RWY 32, Amdt 5
Newark, NJ, Newark Liberty Intl, Takeoff Minimums and Obstacle DP, Amdt 5
Binghamton, NY, Greater Binghamton/Edwin A Link Field, RNAV (GPS) RWY 34, Amdt 1
Fremont, OH, Fremont, RNAV (GPS) RWY 9, Orig-A
Allendale, SC, Allendale County, Takeoff Minimums and Obstacle DP, Orig
Greer, SC, Greenville-Spartanburg Intl-Roger Milliken, Takeoff Minimums and Obstacle
DP, Amdt 1
Dallas, TX, Collin County Rgnl at McKinney, VOR/DME-A, Amdt 1
Kanab, UT, Kanab Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Clintonville, WI, Clintonville Muni, RNAV (GPS) RWY 4, Amdt 1
Clintonville, WI, Clintonville Muni, RNAV (GPS) RWY 14, Amdt 1
Clintonville, WI, Clintonville Muni, RNAV (GPS) RWY 22, Amdt 1
Clintonville, WI, Clintonville Muni, RNAV (GPS) RWY 32, Amdt 1
Bluefield, WV, Mercer County, ILS OR LOC RWY 23, Amdt 15
Bluefield, WV, Mercer County, RNAV (GPS) RWY 5, Orig
Bluefield, WV, Mercer County, RNAV (GPS) RWY 23, Orig
Bluefield, WV, Mercer County, VOR RWY 23, Amdt 9
Bluefield, WV, Mercer County, VOR/DME RWY 23, Amdt 5

Torrington, WY, Torrington Muni, Takeoff Minimums and Obstacle DP, Orig

On Monday, December 7, 2009 (74 FR 233) The FAA published an Amendment in Docket No. 30699; Amdt No. 3350 to Part 97 of the Federal Aviation Regulations under section 97.25 The following entry is hereby corrected to read as follows:

Rutland, VT, Rutland-Southern Vermont Rgnl, LOC Y RWY 19, Amdt 3A

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:

RWY 18 - CLIMB HEADING 181.36 TO 1400 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11, TRAIN 1436' FROM DER, 697' LEFT OF CENTERLINE, 23' AGL/662' MSL, TREE 2285' FROM DER, 1090' LEFT OF CENTERLINE, 100' AGL/659' MSL.

NOTE: RWY 18, TREES BEGINNING 43' FROM DER, 326' RIGHT OF CENTERLINE, UP TO 100' AGL/600' MSL, RISING TERRAIN BEGINNING 279' FROM DER, 167' RIGHT OF CENTERLINE, UP TO 575' MSL, TREE 92' FROM DER, 306' LEFT OF CENTERLINE, 100' AGL/568' MSL, RISING TERRAIN BEGINNING 262' FROM DER, 69' LEFT OF CENTERLINE, UP TO 555' MSL.

(4) CONTROLLING OBSTACLES:

RWY 18: 1670 MSL TOWER 344024.00N-0874256.00W.



(5) City, State

MUSCLE SHOALS, AL

(6) Airport

NORTHWEST ALABAMA RGNL

(7) Effective Date

14 JAN 2010

(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:

NOTE: RWY 29, TREES BEGINNING 2728' FROM DER, 322' RIGHT OF CENTERLINE, UP TO 100' AGL/627' MSL, TREES BEGINNING 938' FROM DER, 184' LEFT OF CENTERLINE, UP TO 100' AGL/627' MSL.

NOTE: RWY 36: TREES BEGINNING 250' FROM DER, 43' RIGHT OF CENTERLINE, UP TO 100' AGL/584' MSL, TREES BEGINNING 695' FROM DER, 128' LEFT OF CENTERLINE, UP TO 100' AGL/ 639' MSL, POLE 582' FROM DER, 319' LEFT OF CENTERLINE, 35' AGL/574' MSL.

QUALITY
CHECKED

City, State MUSCLE SHOALS, AL		Airport NORTHWEST ALABAMA RGNL		Effective Date 14 JAN 2010	Amdt. No. ORIG
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: DQO VORTAC											
DQO VORTAC	WACON INT/6.00 DME	184.00 / 6.00	2000	CLIMBING LEFT TURN TO 2000 VIA DQO VORTAC R-274 TO GLEEM INT/DQO 5.10 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. CHART FAS OBST: 228 TOWER 393927N/0753641W CHART 447 T-L TWR 393645N/0753419W. WACON TO RW1: 3.23/50 CHART (DMMKX) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE. FAC CROSSES RWY C/L EXTENDED 2997 FROM THLD.											
BLARE INT/ENO 11.00 DME (IAF)	SOONU INT/12.05 DME (NOPT)	319.00 / 1.20 (HDG) & 004.00 / 3.18 (DUPONT R-184)	2000												
SOONU INT/12.05 DME (IF)	WACON INT/6.00 DME	004.00 / 6.05 (DUPONT)	2000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S WACON, LT, 004.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC 004.00 FAF WACON INT/6.00 DME _____ DIST FAF TO MAP _____ THLD 5.46 4. MIN. ALT WACON 2000, ANOCE/2.50 DME 760* 8. MSA FROM: DQO VORTAC 090-270 2100, 270-090 2600					MAG VAR: 10W 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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-1	760	5000	684	760	5000	684	760	1 1/2	684	760	1 3/4	684			
CIRCLING	760	1	680	760	1	680	760	2	680	760	2 1/4	680			
ANOCE FIX MINIMUMS															
S-1	480	5000	404	480	5000	404	480	5000	404	480	5000	404			
CIRCLING	540	1	460	540	1	460	600	1 1/2	520	640	2	560			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILADELPHIA INTL ALTIMETER SETTING: INCREASE ALL MDA 60 FT; INCREASE S-1 CATS C/D AND CIRCLING CATS B/C/D VISIBILITY 1/4 MILE. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-1 CATS A/B AND ANOCE FIX MINIMUMS S-1 CATS A/B. SEE 8260-10															
CITY AND STATE		ELEVATION: 80 TDZE: 76		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS RWY					
WILMINGTON, DE		AIRPORT NAME:		DQO		VOR RWY 1, AMDT 4				1					
		NEW CASTLE				14 JAN 2010				AMDT 3C					
										DATE 03/15/2007					

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.

NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALS, WHEN USING PHILADELPHIA INTL ALTIMETER SETTING, INCREASE S-1 CAT B AND ANOCE FIX MINIMUMS S-1 CAT C 1/4 MILE.

CHART NOTE: WHEN USING PHILADELPHIA INTL ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO S-1 CAT A AND ANOCE FIX MINIMUMS S-1 CATS A/B.

* 820 WHEN USING PHILADELPHIA INTL ALTIMETER SETTING.

CITY AND STATE

WILMINGTON, DE

ELEVATION: 80

TDZE: 76

AIRPORT NAME:

NEW CASTLE

FACILITY
IDENTIFIER:

DQO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 1, AMDT 4

14 JAN 2010

SUP: VOR OR GPS RWY 1

AMDT: 3C

DATED: 03/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR 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	
				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 14 JAN 2010



CITY AND STATE WILMINGTON, DE	ELEVATION: 79 TDZE: 70 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: DQO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR GPS RWY 19, AMDT 4B, 07/05/2007	SUP
				AMDT 4A
				DATE 11/07/1995

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				
TRIKE	MOCAT (FB)	288.75 / 22.20	6000	LPV: DA LNAV/VNAV: DA LNAV: RW01R CLIMB TO 4000 DIRECT ZASBO AND VIA TRACK 074.46 DIRECT DONNS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 254.46 INBOUND. CHART FAS OBST: 1070 TREE 391647N/0944219W FAS OBST: 1109 AAO 391334N/0944235W DISTANCE TO THLD FROM 250 HAT: 0.60 NM. CHART VDP AT 0.97 MILES TO RW01R: *LNAV ONLY. WAAS CHANNEL # 58208 REFERENCE PATH ID: W01A			
MOCAT (IAF)	BARBQ (FB)	322.99 / 7.00	5000				
BARBQ (IF)	RIBBS (FB)	007.90 / 7.20	2600				
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT <u>BARBQ</u> 3. FAC: <u>007.93</u> FAF: <u>RIBBS</u> DIST FAF TO MAP: <u>4.73</u> THLD: <u>4.73</u> 4. MIN. ALT: <u>BARBQ 5000, RIBBS 2600</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>2600</u> GS ALT AT: <u>RIBBS</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>59.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW01R 3100</u>				MAG VAR: <u>5E</u> EPOCH YEAR: <u>1990</u>			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD		
CATEGORY =====>	A			B			C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LPV DA	1267	2400	250	1267	2400	250	1267
LNAV/VNAV DA	1326	2400	309	1326	2400	309	1326
LNAV MDA	1400	2400	383	1400	2400	383	1400
CIRCLING	1540	1	514	1540	1	514	1540
NOTES: CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO RVR 5000, LNAV CAT E VISIBILITY TO RVR 6000. 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.							
CITY AND STATE		ELEVATION: 1026 TDZE: 1017		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
KANSAS CITY, MO		AIRPORT NAME: KANSAS CITY INTL				RNAV (GPS) Y RWY 1R, AMDT 1A	
						14 JAN 2010	
						SUP: AMDT: 1 DATED 09/25/2008	

QUALITY
CHECKED

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 KMCJ
RUNWAY RW01R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W01A
LTP/FTP LATITUDE 391653.2400N
LTP/FTP LONGITUDE 0944232.3900W
LTP/FTP ELLIPSOIDAL HEIGHT +02775
FPAP LATITUDE 391824.7700N
FPAP LONGITUDE 0944205.3200W
THRESHOLD CROSSING HEIGHT (TCH) 00059.1
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

D8C805CB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03098
FPAP ORTHOMETRIC HEIGHT +03098



CITY AND STATE KANSAS CITY, MO	ELEVATION: 1026 TDZE: 1017	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 1R, AMDT 1A 14 JAN 2010	SUP:
	AIRPORT NAME: KANSAS CITY INTL			AMDT: 1
				DATED: 09/25/2008

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMCIK3FR01RY ATRIKE 010TRIKEK3EA0E	IF								18000		A JS	G	
SUSAP KMCIK3FR01RY ATRIKE 020MOCATK3EA0E	A 020TF					28880222	+ 06000				A JS	G	
SUSAP KMCIK3FR01RY ATRIKE 030BARBQK3EA0EE	B 010TF					32300070	+ 05000				A JS	G	
SUSAP KMCIK3FR01RY R 010BARBQK3EA0E	I IF						+ 05000		18000		A JS	G	
SUSAP KMCIK3FR01RY R 020RIBBSK3EA1E	F 051TF					00790072	+ 02600			RW01R K3PGA	JS	G	
SUSAP KMCIK3FR01RY R 020RIBBSK3EA2WALPV				ALNAV/VNAV	ALNAV						JS	G	
SUSAP KMCIK3FR01RY R 030RW01RK3PG0GY	M 031TF					00790047		01076		-300	A JS	G	
SUSAP KMCIK3FR01RY R 040 0 M 010CA						0079	+ 01267				A JS	G	
SUSAP KMCIK3FR01RY R 050ZASBOK3EA0E	010DF										A JS	G	
SUSAP KMCIK3FR01RY R 060DONNSK3EA0EY	010TF					0745	+ 04000				A JS	G	
SUSAP KMCIK3FR01RY R 070DONNSK3EA0EE	RO20HM					25450040	+ 04000				A JS	G	

[illegible]

QUALITY
6
CHECKED

CITY AND STATE KANSAS CITY, MO	ELEVATION: 1026 TDZE: 1017 AIRPORT NAME: KANSAS CITY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 1R, AMDT 1A 14 JAN 2010	SUP:
				AMDT: 1
				DATED: 09/25/2008

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.

G

SUSAP KMCIK3SRW01RK3PG

0 18018003125

M G

SUP:	
AMDT:	1
DATED:	09/25/2008

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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

ARINC PACKET - 424-18 - RNAV (RNP)

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789C	123456789D	123456789E	0123456789D	0123456789D	0123456789D	0123456789D	0123456789D	0123456789D	0123456789D	0123456789D	0123456789D	0123456789D
	SUSAEAE	NRT BARBQ	K3C C	N39051509	W094455821			E0026	NAR		BARBQ		
	SUSAEAE	NRT DONNS	K3C C	N39322244	W094032145			E0020	NAR		DONNS		
	SUSAEAE	NRT MOCAT	K30 W R	N38591871	W094411229			E0025	NAR		MOCAT		
	SUSAEAE	NRT RIBBS	K3C C	N39121667	W094435406			E0026	NAR		RIBBS		
	SUSAEAE	NRT TRIKE	K30 C	N38502456	W094150860			E0022	NAR		TRIKE		
	SUSAEAE	NRT ZASBO	K30 C	N39271585	W094392777			E0025	NAR		ZASBO		

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMCIK3FRC1RZ	ATRIKE	010TRIKEK3EA0E	IF						18C00		A PS	
SUSAP	KMCIK3FRC1RZ	ATRIKE	020MOCATK3EA0E	A	020TF		2888C222	+	06000			A PS	
SUSAP	KMCIK3FRC1RZ	ATRIKE	030BARBQK3EA0E	B	010TF		3230C070	-	05000			A PS	
SUSAP	KMCIK3FRC1RZ	R	010BARBQK3EA0E	I	IF				05000	18000		A PS	
SUSAP	KMCIK3FRC1RZ	R	020RIBBSK3EA1E	F	010TF		0079C072	+	02600		RWC1R K3PGA	PS	
SUSAP	KMCIK3FRC1RZ	R	020RIBBSK3EA2WN			ALNAV/VNAV	ALNAV			A031A152		PS	
SUSAP	KMCIK3FRC1RZ	R	030RW01RK3PG0GY	M	031TF		00790047		01075	-300		A PS	
SUSAP	KMCIK3FRC1RZ	R	040ZASBOK3EA0E	M	010TF		0079C106					A PS	
SUSAP	KMCIK3FRC1RZ	R	050DONNSK3EA0EY		010TF		0745C284	-	04000			A PS	
SUSAP	KMCIK3FRC1RZ	R	060DONNSK3EA0EE		R020HM		2545C040	-	04000			A PS	

[illegible][illegible]

9
CHECKED
QUALITY

CITY AND STATE KANSAS CITY, MO	ELEVATION: 1026 TDZE: 1016 AIRPORT NAME: KANSAS CITY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 1R, ORIG-A 14 JAN 2010	SUP:
				AMDT: ORIG
				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 16, 400-3 OR STANDARD WITH MINIMUM CLIMB OF 324 FEET PER NM TO 1400.

RWY 34, 600-3 WITH MINIMUM CLIMB OF 267 FEET PER NM TO 1400 OR 1800-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 16 - CLIMB HEADING 165.99 TO 1400 BEFORE PROCEEDING ON COURSE.

RWY 34 - CLIMB HEADING 000.99 TO 2800 BEFORE TURNING WEST OR FOR CLIMB IN VISUAL CONDITIONS: CROSS MEADOW BROOK FIELD AIRPORT AT OR ABOVE 2300 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, VEHICLE ON ROAD 428' FROM DER, 591' LEFT OF CENTERLINE, UP TO 15' AGL/674' MSL. TREES BEGINNING 541' FROM DER, 618' RIGHT OF CENTERLINE, UP TO 65' AGL/804' MSL. TANK 5738' FROM DER, 742' RIGHT OF CENTERLINE, 157' AGL/863' MSL. POWERLINE 2525' FROM DER, 226' RIGHT OF CENTERLINE, 79' AGL/716' MSL.

NOTE: RWY 34, TREES BEGINNING 961' FROM DER, 389' RIGHT OF CENTERLINE, UP TO 65' AGL/844' MSL. TREES BEGINNING 1056' FROM DER, 744' LEFT OF CENTERLINE, UP TO 65' AGL/844' MSL.

(4) CONTROLLING OBSTACLES:

RWY 16: 863' MSL TANK 361657.00N/0800833.00W, 1019' MSL TERRAIN 361527.86N-0800838.42W, 1039' MSL TERRAIN 361554.12N/0800848.82W.

RWY 34: 1159' MSL TERRAIN 362036.93N/0801010.36W, 1159' MSL TERRAIN 362047.11N/0801000.79W, 3089' MSL TOWER 362237.00N/0802209.00W.

VCOA: 1179' MSL TERRAIN 362121.59N/0801030.00W, 2779' MSL TERRAIN 362400.40N/0801655.30W.

(5) City, State WALNUT COVE, NC	(6) Airport MEADOW BROOK FIELD	(7) Effective Date 14 JAN 2010	(8) Amdt. No. 1
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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	
				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 14 JAN 2010

QUALITY
CHECKED

CITY AND STATE MALONE, NY	ELEVATION: 790 TDZE:	FACILITY IDENTIFIER: MSS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 1, 12/22/2005	SUP
	AIRPORT NAME: MALONE-DUFORT			AMDT ORIG
				DATE 2/13/88

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: RW22 CLIMB TO 4000 DIRECT YIDUD AND VIA TRACK 275.91 TO OHOCO AND VIA TRACK 352.95 TO LOPEZ AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.82 INBOUND. CHART FAS OBST: 1135 BLDG-TWR 412434N/0754000W DISTANCE TO THLD FROM 342 HAT: 0.98 NM. CHART VDP AT 2.45 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 69213 REFERENCE PATH ID: W22A								
SCOFF		IGOTY (FB)		078.86 / 7.03		4000										
IGOTY (IAF)		JIDPU (FB)		133.74 / 5.00		3900										
LHY VORTAC (IAF)		JIDPU (FB)		310.61 / 4.68		3900										
JIDPU (IF)		JODIE (FB)		223.81 / 2.80		3300										
JODIE		KONAA (FB)		223.78 / 3.52		2800										
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT JIDPU 3. FAC: <u>223.76</u> FAF: <u>KONAA</u> DIST FAF TO MAP: <u>5.68</u> THLD: <u>5.68</u> 4. MIN. ALT: <u>JIDPU 3900, JODIE 3300, KONAA 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>KONAA 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.8</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW22 4000</u>								MAG VAR: 11W EPOCH YEAR: 1980								
MINIMUMS																
TAKEOFF: <u> </u> STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: <u>NA</u> @ <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		1275	1 1/4	342	1275	1 1/4	342	1275	1 1/4	342	1275	1 1/4	342			
LNAV MDA		1720	1	787	1720	1 1/4	787	1720	2 1/4	787	1720	2 1/2	787			
CIRCLING		1840	1	878	1940	1 1/2	978	1940	3	978	2240	3	1278			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LHY VORTAC AIRWAY RADIALS 275 CW 359.																
CITY AND STATE		ELEVATION: 962 TDZE: 933			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
WILKES-BARRE/SCRANTON, PA		AIRPORT NAME: WILKES-BARRE/SCRANTON INTL						RNAV (GPS) RWY 22, ORIG-A 14 JAN 2010				AMDT: ORIG				
												DATED 07/02/2009				



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

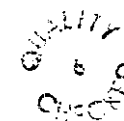
OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KAVP
RUNWAY RW22
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W22A
LTP/FTP LATITUDE 412045.6730N
LTP/FTP LONGITUDE 0754300.3910W
LTP/FTP ELLIPSOIDAL HEIGHT +02462
FPAP LATITUDE 411930.6500N
FPAP LONGITUDE 0754404.3000W
THRESHOLD CROSSING HEIGHT (TCH) 00050.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0464
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

B56914B6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +02778
FPAP ORTHOMETRIC HEIGHT +02778



CITY AND STATE WILKES-BARRE/SCRANTON, PA	ELEVATION: 962 TDZE: 933 AIRPORT NAME: WILKES-BARRE/SCRANTON INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-A 14 JAN 2010	SUP: AMDT: ORIG DATED: 07/02/2009
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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]

QUALITY
OBJECTS

CITY AND STATE WILKES-BARRE/SCRANTON, PA	ELEVATION: 962	TDZE: 933	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-A 14 JAN 2010	SUP:	
	AIRPORT NAME:				AMDT:	ORIG
	WILKES-BARRE/SCRANTON INTL				DATED:	07/02/2009

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]

SUP:	
AMDT:	ORIG
DATED:	07/02/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CIPBA (IAF)	GOKYE (NOPT) (FB)	052.28 / 9.55	3000	LPV: DA LNAV: RW09 CLIMB TO 3000 DIRECT COSGA AND LEFT TURN VIA TRACK 339.00 TO PUMGE AND LEFT TURN VIA TRACK 230.07 TO GOKYE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 969 TREE 331054N/0862222W CHART 1029 TREE 331111N/0862334W. DISTANCE TO THLD FROM 458 HAT: 1.27 NM. WAAS CHANNEL # 40216 REFERENCE PATH ID: W09A
HANDE (IAF)	GOKYE (NOPT) (FB)	179.35 / 8.34	3000	
GOKYE (IF/IAF)	FONKU (FB)	093.43 / 6.04	1900	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W GOKYE, LT, 093.43 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 093.50 FAF: FONKU DIST FAF TO MAP: 3.96 THLD: 3.96
- MIN. ALT: GOKYE 3000, FONKU 1900
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1900 GS ALT AT: FONKU 1900 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
- MSA FROM: RW09 3600

MAG VAR: 3W

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
LPV DA		1027	1 1/2	458	1027	1 1/2	458	1027	1 1/2	458	1027	1 1/2	458			
LNAV MDA		1220	1	651	1220	1	651	1220	1 3/4	651	1220	2	651			
CIRCLING		1220	1	651	1220	1	651	1320	2 1/4	751	1600	3	1031			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 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 BIRMINGHAM ALTIMETER SETTING AND SEE 8260-10

@ CAT C 800-2 1/4, CAT D 1100-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE SYLACAUGA, AL	ELEVATION: 569 TDZE: 569 AIRPORT NAME: MERKEL FIELD SYLACAUGA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED 08/30/2007

**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.

INCREASE LPV DA 86 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS, LNAV CATS C AND D VISIBILITY

1/2 MILE, INCREASE LNAV CAT B AND CIRCLING CATS B AND C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HANDE VIA V159 NORTHWEST BOUND.

CITY AND STATE

SYLACAUGA, AL

ELEVATION: 569 TDZE: 569

AIRPORT NAME:

MERKEL FIELD SYLACAUGA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/30/2007

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 INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KSCD
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 331018.8575N
LTP/FTP LONGITUDE 0861851.6270W
LTP/FTP ELLIPSOIDAL HEIGHT +01444
FPAP LATITUDE 331018.0100N
FPAP LONGITUDE 0861705.4900W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1104
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

852D5D93

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01734
FPAP ORTHOMETRIC HEIGHT +01734

CITY AND STATE

SYLACAUGA, AL

ELEVATION: 569 TDZE: 569

AIRPORT NAME:

MERKEL FIELD SYLACAUGA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/30/2007

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]

QUALITY
1
CHECKED

CITY AND STATE SYLACAUGA, AL	ELEVATION: 569 TDZE: 569 AIRPORT NAME: MERKEL FIELD SYLACAUGA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

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	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KSCDK7PR09	RW09 001 0000W09A0N3310188575W08618516270+014440300N3310180100W08617054900106751104000550F400500852D5D93											
	SUSAP KSCDK7PR09	RW09 002E +01734+01734LPV 40216											

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KSCDK7SRW09 K7PG	0 18018003625	M										

QUALITY
1
CHECKED

CITY AND STATE SYLACAUGA, AL	ELEVATION: 569 TDZE: 569 AIRPORT NAME: MERKEL FIELD SYLACAUGA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

**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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
FAYEZ	COKAC (FB)	062.15 / 8.81	3700	LPV: DA LNAV/VNAV: DA LNAV: RW27
COKAC (IAF)	IMEXE (NOPT) (FB)	003.68 / 5.00	3400	CLIMB TO 3000 DIRECT GOKYE AND HOLD.
GOSSE (IAF)	IMEXE (NOPT) (FB)	192.17 / 11.11	3400	
IMEXE (IF/IAF)	ZILIL (FB)	273.68 / 3.14	3300	
ZILIL	HETOD (FB)	273.65 / 3.00	2500	
				ADDITIONAL FLIGHT DATA: HOLD W, LT, 093.43 INBOUND. CHART FAS OBST: 633 TREE 331012N/0861717W CHART FAS OBST: 730 TOWER 331016N/0861357W DISTANCE TO THLD FROM 309 HAT: 0.81 NM. WAAS CHANNEL # 90216 REFERENCE PATH ID: W27A
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. HOLD E IMEXE, RT, 273.68 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: 273.61 FAF: HETOD DIST FAF TO MAP: 5.86 THLD: 5.86 4. MIN. ALT: IMEXE 3400, ZILIL 3300, HETOD 2500, LUYCI/3.12 NM TO RW27 1600' 5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____ 6. MIN GS INCPT: 2500 GS ALT AT: HETOD 2500 OM: ____ MM: ____ IM: ____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR 8. MSA FROM: RW27 3600				
				MAG VAR: 3W EPOCH YEAR: 2005

MINIMUMS

[illegible]

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING BIRMINGHAM ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ CAT C 800-2 1/4, CAT D 1100-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE SYLACAUGA, AL	ELEVATION: 569 TDZE: 552 AIRPORT NAME: MERKEL FIELD SYLACAUGA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1 11 FEB 2010	SUP: AMDT: ORIG DATED 05/12/2005
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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 PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

***RNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BIRMINGHAM ALTIMETER SETTING AND INCREASE ALL DA 86 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS, RNAV/VNAV ALL CATS, RNAV CAT C AND D, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

2

CITY AND STATE

SYLACAUGA, AL

ELEVATION: 569

TDZE: 552

AIRPORT NAME:

MERKEL FIELD SYLACAUGA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 1

11 FEB 2010

SUP:

AMDT:

ORIG

DATED:

05/12/2005

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	KSCD
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	331018.3515N
LTP/FTP LONGITUDE	0861748.2340W
LTP/FTP ELLIPSOIDAL HEIGHT	+01380
FPAP LATITUDE	331019.1900N
FPAP LONGITUDE	0861934.3800W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

043CEDDA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01669
FPAP ORTHOMETRIC HEIGHT	+01669

CITY AND STATE
SYLACAUGA, AL

ELEVATION: 569 TDZE: 552
AIRPORT NAME:
MERKEL FIELD SYLACAUGA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1
11 FEB 2010

SUP:
AMDT: ORIG
DATED: 05/12/2005

Bearings, headings, courses, and radials are magnetic. Elevations 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	KSCDK7FR27	AFAYEZ	010FAYEZK7EA0E		IF					18000		A JS	
SUSAP	KSCDK7FR27	AFAYEZ	020COKACK7EA0E	A	020TF		06220088	+	03700			A JS	
SUSAP	KSCDK7FR27	AFAYEZ	030IMEXEK7EA0EE	B	010TF		00370050	+	03400			A JS	
SUSAP	KSCDK7FR27	AGOSSE	010GOSSEK7EA0E	A	IF					18000		A JS	
SUSAP	KSCDK7FR27	AGOSSE	020IMEXEK7EA0EE	B	010TF		19220111	+	03400			A JS	
SUSAP	KSCDK7FR27	AIMEXE	010IMEXEK7EA0EE	AR	HF		27370040	+	03400	18000		A JS	
SUSAP	KSCDK7FR27	R	010IMEXEK7EA0E	I	IF			+	03400	18000		A JS	
SUSAP	KSCDK7FR27	R	011ZILILK7EA0E	S	051TF		27370031	+	03300			A JS	
SUSAP	KSCDK7FR27	R	020HETODK7EA1E	F	051TF		27370030	+	02500		RW27	K7PGA	JS
SUSAP	KSCDK7FR27	R	020HETODK7EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KSCDK7FR27	R	021LUYCIK7EA0E	S	031TF		27360027	V	0160001606	-300		A JS	
SUSAP	KSCDK7FR27	R	030RW27	K7PG0GY	M	031TF	27360031		00603	-300		A JS	
SUSAP	KSCDK7FR27	R	040GOKYEK7EA0EYM		010DF			+	03000			A JS	
SUSAP	KSCDK7FR27	R	050GOKYEK7EA0EE		L020HM		09340040	+	03000			A JS	

[illegible]

QUALITY
1
CHECK

CITY AND STATE SYLACAUGA, AL	ELEVATION: 569 TDZE: 552 AIRPORT NAME: MERKEL FIELD SYLACAUGA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1 11 FEB 2010	SUP:	
				AMDT:	ORIG
				DATED:	05/12/2005

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	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KSCDK7PR27 RW27 001 0000W27A0N3310183515W08617482340+013800300N3310191900W08619343800106751104000550F400500043CEDDA												
	SUSAP KSCDK7PR27 RW27 002E +01669+01669LPV 90216												

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

	SUSAP KSCDK7SRW27 K7PG 0 18018003625 M												

CHECKED

CITY AND STATE
 SYLACAUGA, AL

ELEVATION: 569 TDZE: 552
 AIRPORT NAME:
 MERKEL FIELD SYLACAUGA MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 27, AMDT 1
 11 FEB 2010

SUP:
 AMDT: ORIG
 DATED: 05/12/2005

Bearings, headings, courses, and radials are magnetic. Elevations 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.

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										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 <u>11 FEB 2010</u>																			
CITY AND STATE LAKE VILLAGE, AR				ELEVATION: 125 TDZE: 123 AIRPORT NAME: LAKE VILLAGE MUNI				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 19, ORIG, 03/27/1997				SUP AMDT NONE DATE					

 QUALITY
2
CHECKED

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				
MON VOR/DME	HIMOP (FB)	153.04 / 24.98	2500	LNAV: RW01			
HIMOP (IAF)	HEGOG (NOPT) (FB)	101.75 / 7.00	2500				
JUDUN (IAF)	HEGOG (NOPT) (FB)	281.90 / 7.65	2500	CLIMB TO 2000 DIRECT OZIGE AND HOLD.			
HEGOG (IF/IAF)	AKIDY (FB)	011.82 / 6.33	1800				
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 191.89 INBOUND. FAS OBST: 339 AAO 331545N/0912123W AKIDY TO RW01: 3.04/40. CHART GREENVILLE ASOS.			

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD S HEGOG, RT, 011.82 INBOUND, 2500 FT. IN LIEU OF PT (IAF)	
3. FAC: 011.84 FAF: AKIDY DIST FAF TO MAP: 5.06 THLD: 5.06	
4. MIN. ALT: HEGOG 2500, AKIDY 1800	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____	
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR	
8. MSA FROM: RW01 1800	

MAG VAR: 2E EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A	X					
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	680	1	555	680	1	555	680	1 1/2	555	680	1 3/4	555			
CIRCLING	680	1	555	680	1	555	680	1 1/2	555	720	2	595			

NOTES:
 CHART NOTE: CIRCLING NA EAST OF RWY 1/19.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: USE GREENVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE MONTICELLO ALTIMETER SETTING
 SEE 8260-10

CITY AND STATE LAKE VILLAGE, AR	ELEVATION: 125 TDZE: 125 AIRPORT NAME: LAKE VILLAGE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED
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QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

AND INCREASE ALL MDA 60 FT, INCREASE LNAV CAT C AND D VISIBILITY AND CIRCLING CAT C VISIBILITY
1/4 MILE.

QUALITY
2
CHECKED

CITY AND STATE

LAKE VILLAGE, AR

ELEVATION: 125 TDZE: 125

AIRPORT NAME:

LAKE VILLAGE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

11 FEB 2010

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 M32 K4FR01	AHEGOG	010HEGOGK4EA0EE	AR	HF			01180040	+ 02500	18000			B JS	
SUSAP M32 K4FR01	AJUDUN	010JUDUNK4EA0E	A	IF					18000			B JS	
SUSAP M32 K4FR01	AJUDUN	020HEGOGK4EA0EE	B	010TF			28190077	+ 02500				B JS	
SUSAP M32 K4FR01	AMON	010MON K4D 0V		IF					18000			B JS	
SUSAP M32 K4FR01	AMON	020HIMOPK4EA0E	A	020TF			15300250	+ 02500				B JS	
SUSAP M32 K4FR01	AMON	030HEGOGK4EA0EE	B	010TF			10180070	+ 02500				B JS	
SUSAP M32 K4FR01	R	010HEGOGK4EA0E	I	IF				+ 02500	18000			B JS	
SUSAP M32 K4FR01	R	020AKIDYK4EA1E	F	051TF			01180063	+ 01800			RW01 K4PGB	JS	
SUSAP M32 K4FR01	R	020AKIDYK4EA2WN			N	ALNAV						JS	
SUSAP M32 K4FR01	R	030RW01 K4PGOGY	M	031TF			01180051		00165	-304		B JS	
SUSAP M32 K4FR01	R	040OZIGEK4EA0EYM		010DF				+ 02000				B JS	
SUSAP M32 K4FR01	R	050OZIGEK4EA0EE	R020HM				19190040	+ 02000				B JS	

[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.

	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 M32 K4SRW01 K4PG					0	18018001825						M	

QUALITY
CHECKED

CITY AND STATE
LAKE VILLAGE, AR

ELEVATION: 125 TDZE: 125
AIRPORT NAME:
LAKE VILLAGE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 1, ORIG
11 FEB 2010

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	
OZIGE (IF/IAF)	WUDAP (FB)	191.89 / 6.79	1700	LNAV: RW19
				CLIMB TO 2000 DIRECT HEGOG AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 011.82 INBOUND. FAS OBST: 334 AAO 332434N/0911758W WUDAP TO RW19: 3.04/40. CHART GREENVILLE ASOS.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N OZIGE, RT, 191.89 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
- FAC: 191.87 FAF: WUDAP DIST FAF TO MAP: 4.76 THLD: 4.76
- MIN. ALT: OZIGE 2000, WUDAP 1700
- 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: RW19 1800

MAG VAR: 2E

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	640	1	517	640	1	517	640	1 1/2	517	640	1 3/4	517				
CIRCLING	680	1	555	680	1	555	680	1 1/2	555	720	2	595				

NOTES:
CHART NOTE: CIRCLING NA EAST OF RWY 1/19.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: USE GREENVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE MONTICELLO ALTIMETER SETTING
AND INCREASE ALL MDA 60 FT AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE LAKE VILLAGE, AR	ELEVATION: 125 TDZE: 123 AIRPORT NAME: LAKE VILLAGE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 11 FEB 2010	SUP: AMD: NONE DATED
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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]

QUALITY
CHECK

CITY AND STATE LAKE VILLAGE, AR	ELEVATION: 125 TDZE: 123 AIRPORT NAME: LAKE VILLAGE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 11 FEB 2010	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 1, 19 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 1, TREES BEGINNING 1184' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/229' MSL. NOTE: RWY 19, TREES BEGINNING 654' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/229' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

LAKE VILLAGE, AR

(6) Airport

LAKE VILLAGE MUNI

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

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 11 FEB 2010																			
CITY AND STATE WEST MEMPHIS, AR				ELEVATION: 212 TDZE: 212 AIRPORT NAME: WEST MEMPHIS MUNI				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, ORIG-B, 11/01/2001				SUP GPS RWY 17 AMDT ORIG-A DATE 4/23/1998					

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 11 FEB 2010



CITY AND STATE WEST MEMPHIS, AR	ELEVATION: 212 TDZE: 212 AIRPORT NAME: WEST MEMPHIS MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 35, ORIG-B, 11/01/2001	SUP GPS RWY 35
				AMDT ORIG-A
				DATE 04/23/1998

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: RW17 CLIMB TO 2100 DIRECT USUPE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S. RT, 359.55 INBOUND. CHART FAS OBST: 318 TWR 350920N/0901351W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.00 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 69316 REFERENCE PATH ID: W17A								
JUSON (IAF)	IMUDE (NOPT) (FB)	089.49 / 5.00	2500									
KIDHU (IAF)	IMUDE (NOPT) (FB)	269.61 / 5.00	2500									
IMUDE (IF/IAF)	HEDIM (FB)	179.55 / 6.04	2000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N IMUDE, RT, 179.55 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>179.55</u> FAF: <u>HEDIM</u> DIST FAF TO MAP: <u>5.37</u> THLD: <u>5.37</u> 4. MIN. ALT: <u>IMUDE 2500, HEDIM 2000</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>2000</u> GS ALT AT: <u>HEDIM</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.2</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 1E EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @							
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	412	1/2	200	412	1/2	200	412	1/2	200	412	1/2	200
LNAV/VNAV DA	593	3/4	381	593	3/4	381	593	3/4	381	593	3/4	381
LNAV MDA	580	1/2	368	580	1/2	368	580	1/2	368	580	1	368
CIRCLING	620	1	408	680	1	468	680	1 1/2	468	780	2	568
NOTES: CHART NOTE: FOR INOPERATIVE MALS R, INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE. 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 MEMPHIS INTL ALTIMETER SETTING AND SEE 8260-10 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.												
CITY AND STATE			ELEVATION: 212 TDZE: 212		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
WEST MEMPHIS, AR			AIRPORT NAME:		RNAV		RNAV (GPS) RWY 17, ORIG			AMDT: NONE		
			WEST MEMPHIS MUNI				11 FEB 2010			DATED		

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 50 FEET AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

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

CHART NOTE: CIRCLING TO RWY 35 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	089/30 CW 270/30 (NOPT)	IMUDE (IF/IAF) (FB)	2500
2.	270/30 CW 360/30	KIDHU (IAF) (FB)	2500
3.	360/30 CW 089/30	JUSON (IAF) (FB)	2500

QUALITY
CHECKED

CITY AND STATE

WEST MEMPHIS, AR

ELEVATION: 212 TDZE: 212

AIRPORT NAME:

WEST MEMPHIS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

11 FEB 2010

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	KAWM
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	350835.9000N
LTP/FTP LONGITUDE	0901403.6600W
LTP/FTP ELLIPSOIDAL HEIGHT	+00374
FPAP LATITUDE	350730.1000N
FPAP LONGITUDE	0901404.4300W
THRESHOLD CROSSING HEIGHT (TCH)	00051.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
<u>CRC REMAINDER</u>	461D5149

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00646
FPAP ORTHOMETRIC HEIGHT	+00646

QUALITY
9
CHECKED

CITY AND STATE WEST MEMPHIS, AR	ELEVATION: 212 TDZE: 212 AIRPORT NAME: WEST MEMPHIS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 11 FEB 2010	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 KAWMK4FR17	AIMUDE	010IMUDEK4EA0EE	AR	HF			17960040	+	02500	18000		A	JS
SUSAP KAWMK4FR17	AJUSON	010JUSONK4EA0E	A	IF						18000		A	JS
SUSAP KAWMK4FR17	AJUSON	020IMUDEK4EA0EE	B	010TF			08950050	+	02500			A	JS
SUSAP KAWMK4FR17	AKIDHU	010KIDHUK4EA0E	A	IF						18000		A	JS
SUSAP KAWMK4FR17	AKIDHU	020IMUDEK4EA0EE	B	010TF			26960050	+	02500			A	JS
SUSAP KAWMK4FR17	R	010IMUDEK4EA0E	I	IF						18000		A	JS
SUSAP KAWMK4FR17	R	020HEDIMK4EA1E	F	051TF			17960060	+	02000			A	JS
SUSAP KAWMK4FR17	R	020HEDIMK4EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KAWMK4FR17	R	030RW17 K4PGOGY	M	031TF			17960054		00263	-300		A	JS
SUSAP KAWMK4FR17	R	040USUPEK7EA0EYM		010DF				+	02100			A	JS
SUSAP KAWMK4FR17	R	050USUPEK7EA0EE		R020HM			35960040	+	02100			A	JS

[illegible][illegible]

SUP:	
AMDT:	NONE
DATED:	

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	LNAV: RW35 CLIMB TO 2500 DIRECT IMUDE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 179.55 INBOUND. CHART FAS OBST: 313 TREE 350714N/0901407W ITOXE TO RW35: 3.04/40.				
LOGNE (IAF)	USUPE (NOPT) (FB)	089.49 / 5.00	2100					
NEGNE (IAF)	USUPE (NOPT) (FB)	269.61 / 5.00	2100					
USUPE (IF/IAF)	ITOXE (FB)	359.55 / 6.01	1800					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. <u>HOLD S USUPE, RT, 359.55 INBOUND, 2100 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>359.55</u> FAF: <u>ITOXE</u> DIST FAF TO MAP: <u>4.80</u> THLD: <u>4.80</u> 4. MIN. ALT: <u>USUPE 2100, ITOXE 1800</u> 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: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: _____				MAG VAR: 1E EPOCH YEAR: 1995				
MINIMUMS								
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @			
CATEGORY =====>	A		B		C		D	E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	580	1	368	580	1	368	580	1 1/4
CIRCLING	620	1	408	680	1	468	780	2
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 MEMPHIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.								
CITY AND STATE		ELEVATION: 212 TDZE: 212		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
WEST MEMPHIS, AR		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 35, ORIG		AMDT: NONE
		WEST MEMPHIS MUNI				11 FEB 2010		DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	270/30 CW 089/30 (NOPT)	USUPE (IF/IAF) (FB)	2100
2.	089/30 CW 180/30	LOGNE (IAF) (FB)	2500
3.	180/30 CW 270/30	NEGNE (IAF) (FB)	2500

QUALITY
CHECKED

CITY AND STATE

WEST MEMPHIS, AR

ELEVATION: 212 TDZE: 212

AIRPORT NAME:

WEST MEMPHIS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

11 FEB 2010

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]

6

CITY AND STATE WEST MEMPHIS, AR	ELEVATION: 212 TDZE: 212 AIRPORT NAME: WEST MEMPHIS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 11 FEB 2010	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:

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3, 21 - USE MARICOPA DEPARTURE

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:



(5) City, State

SCOTTSDALE, AZ

(6) Airport

SCOTTSDALE

(7) Effective Date

11 FEB 2010

(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 11: CLIMB TO 6000 DIRECT CETNI AND VIA TRACK 171.24 TO AMAKR AND LEFT TURN VIA TRACK 066.69 TO ENI VORTAC, THENCE...

TAKEOFF RWY 29: CLIMB TO 6000 DIRECT EBYIB AND LEFT TURN VIA TRACK 189.72 TO VECEN AND VIA TRACK 125.85 AMAKR AND VIA TRACK 066.69 TO ENI VORTAC, THENCE...

THENCE: VIA ASSIGNED ROUTE.

(2) Transition Routes (Graphic Depiction Only)

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

(3) Procedural Data Notes / Takeoff Minimums:

NOTE: GPS REQUIRED.

NOTE: RNAV 1

TAKEOFF MINIMUMS:

RWY 11, 300-1 WITH MINIMUM CLIMB OF 330 FT PER NM CLIMB TO 2100.

RWY 29, 300-1

(4) Takeoff Obstacle Notes: NOTE: RWY 11, TREES BEGINNING 273' FROM DER, LEFT AND RIGHT OF CENTERLINE UP TO 200' AGL/799' MSL. VEHICLES ON ROAD 383' FROM DER, 2' RIGHT OF CENTERLINE, UP TO 15' AGL/587' MSL.

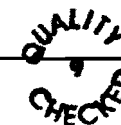
NOTE: RWY 29, MULTIPLE TREES BEGINNING 95' FROM DER, 18' LEFT AND RIGHT OF CENTERLINE UP TO 200' AGL/719' MSL.

(5) Controlling Obstacles: RWY 11: 1119 MSL TREE 391405.84N-1234058.40W

RWY 29: 719 MSL TREE 391608.70N/1230525.70W

(6) Fixes and/or NAVAID'S :

(7) DP Name LITTLE RIVER	(8) Number ONE	(9) DP Computer Code LTLRV1.LTLRV	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 11 FEB 2010
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(13) Airports Served					
Airport Name	LITTLE RIVER		City/State	LITTLE RIVER, CA	
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
(14) Lost Communications Procedures:					
(15) Communications:					
(16) Additional Flight Data: REFERENCE MAG VAR KLLR 15 E EPOCH YR 10. DME/DME ASSESSMENT: NOT CONDUCTED.					
(17) Continuation:					
(7) DP Name	(8) Number	(9) DP Computer Code	(10) Superseded Number	(11) Dated	(12) Effective Date
LITTLE RIVER	ONE	LTLRV1.LTLRV	NONE		11 FEB 2010



DEPARTURE (Data Record)

[illegible]

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:

(2) TEXTUAL DEPARTURE PROCEDURE:
USE LITTLE RIVER DEPARTURE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State

LITTLE RIVER, CA.

(6) Airport

LITTLE RIVER

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

QUALITY
9
CHECKED

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 16L/R STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7100, OR 1500-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 34L/R STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7100, OR 1500-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 16L/R, CLIMBING LEFT TURN HEADING 050 TO INTERCEPT VNY R-095 TO DARTS/INT AND HOLD W, RT, 095.00 INBOUND, CONTINUE CLIMB-IN-HOLD TO 7100, BEFORE PROCEEDING ON COURSE. AIRCRAFT EASTBOUND VIA V186, SOUTHEASTBOUND VIA V459, CLIMB ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS CROSS VAN NUYS AIRPORT AT OR ABOVE 4500 BEFORE PROCEEDING ON COURSE.

RWY 34L/R, CLIMBING RIGHT TURN HEADING 125 TO INTERCEPT VNY R-095 TO DARTS/INT, AND HOLD W, RT, 095.00 INBOUND, CONTINUE CLIMB-IN-HOLD TO 7100, BEFORE PROCEEDING ON COURSE. AIRCRAFT EASTBOUND VIA V186, SOUTHEASTBOUND VIA V459, CLIMB ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS CROSS VAN NUYS AIRPORT AT OR ABOVE 4500 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16L, LIGHT ON HANGAR 713' FROM DER 361' LEFT OF CENTERLINE, 27' AGL/798' MSL.

NOTE: RWY 16R, HANGAR 209' FROM DER, 516' RIGHT OF CENTERLINE, 9' AGL/755' MSL.

FLAGPOLE 570' FROM DER, 549' RIGHT OF CENTERLINE, 15' AGL/761' MSL. BUILDING 941' FROM DER, 599' LEFT OF CENTERLINE, 28' AGL/774' MSL. MULTIPLE TREES BEGINNING 1129' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 72' AGL/818' MSL.

NOTE: RWY 34L, BLAST FENCE 169' FROM DER, 405' LEFT OF CENTERLINE, 10' AGL/812' MSL. (con'd)

(4) CONTROLLING OBSTACLES:

RWY 16L/R, RWY 34L/R: 5279 MSL AAO 341608.40N/1181420.01W, 10279 MSL AAO 341720.88N/1173846.70W.

RWY 34L/R: (VCOA) 1097 TOWER 341458.00N/1182716.00W, 9599 AAO 342136.50N/1174548.60W.



(5) City, State VAN NUYS, CA	(6) Airport VAN NUYS	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 4
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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..
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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)

OBSTRUCTION LIGHT ON BLAST FENCE, 241' FROM DER, 195' LEFT OF CENTERLINE, 17' AGL/819' MSL.
MULTIPLE TREES BEGINNING 325' FROM DER, 549' RIGHT OF CENTERLINE, UP TO 119' AGL/921' MSL.
RAILROAD 305' FROM DER, 369' RIGHT OF CENTERLINE, 30' AGL/832' MSL.
BUILDING 424' FROM DER, 589' RIGHT OF CENTERLINE, 29' AGL/831' MSL.
ANTENNA ON BUILDING 450' FROM DER 462' LEFT OF CENTERLINE, 15' AGL/817' MSL.
POLE 1376' FROM DER, 779' LEFT OF CENTERLINE, 68' AGL/870' MSL.
MULTIPLE TREES BEGINNING 828' FROM DER, 15' LEFT OF CENTERLINE, 78' AGL/907' MSL.
NOTE: RWY 34R, RAILROAD 305' FROM DER, 5' RIGHT OF CENTERLINE, 23' AGL/832' MSL.
MULTIPLE TREES BEGINNING 325' FROM DER, 174' RIGHT OF CENTERLINE, UP TO 122' AGL/921' MSL.
BUILDING 424' FROM DER, 214' RIGHT OF CENTERLINE, 32' AGL/831' MSL.
MULTIPLE TREES BEGINNING 781' FROM DER, 110' LEFT OF CENTERLINE 62' AGL/891' MSL.

QUALITY
CHECKED

City, State VAN NUYS, CA	Airport VAN NUYS	Effective Date 11 FEB 2010	Amdt. No. 4		
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

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	
WINDO INT/I-GJT 57.65 DME	BITAR INT/I-GJT 45.82 DME	112.17 / 11.84 (I-GJT)	13000	ILS: DA LOC: 5.65 MILES AFTER JINNY INT/I-GJT 7.43 DME/RADAR OR AT I-GJT 1.78 DME FIX
BITAR INT/I-GJT 45.82 DME	MACKS INT/I-GJT 24.67 DME/RADAR	112.17 / 21.15 (I-GJT)	12000	
MACKS INT/I-GJT 24.67 DME/RADAR (IAF)	LOMMA INT/I-GJT 16.99 DME/RADAR	112.17 / 7.68 (I-GJT)	8200	CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 VIA JNC VOR/DME R-085 TO JNC VOR/DME THEN VIA JNC VOR/DME R-275 TO JISIG/JNC 13.30 DME AND HOLD.
ZUKSO/JNC 13.30 DME CW (IAF)	LOMMA INT/I-GJT 16.99 DME/RADAR	13.30 DME ARC (JNC LR-332)	8200	
JISIG/JNC 13.30 DME CW (IAF)	LOMMA INT/I-GJT 16.99 DME/RADAR	13.30 DME ARC (JNC LR-332)	8200	ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.28 INBOUND. CHART FAS OBST: 4949 TREE 391006N/1083530W CHART VDP AT 2.81 DME; DISTANCE VDP TO THLD 1.03 MILES. CHART JNC R-275 AT JISIG. CHART JNC R-232 AT ZUKSO.
LOMMA INT/I-GJT 16.99 DME/RADAR (IF)	JINNY INT/I-GJT 7.43 DME/RADAR	112.17 / 9.56 (I-GJT)	6700	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT LOMMA
3. FAC: 112.17 FAF: JINNY INT/I-GJT 7.43 DME/RADAR DIST FAF TO MAP: 5.65 THLD: 5.65
4. MIN. ALT: LOMMA 8200, JINNY 6700
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 896
6. MIN GS INCP: 6700 GS ALT AT: JINNY INT/I-GJT 7.43 DME/RADAR CONT. OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 50.2
8. MSA FROM: JNC VOR/DME 060-220 11400, 220-060 10100

MAG VAR: 13E

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 11		*5033	2400	200	*5033	2400	200	*5033	2400	200	*5033	2400	200			
S-LOC 11		5200	2400	367	5200	2400	367	5200	2400	367	5200	4000	367			
CIRCLING		5360	1	502	5380	1	522	5440	1 1/2	582	5540	2 1/4	682			

NOTES:
CHART NOTE: DME REQUIRED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LOMMA VIA V187.
CHART NOTE: * RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA
CHART NOTE: VDP NA WITH RIFLE ALTIMETER SETTING.
SEE 8260-10

CAT D 700-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY
6
CHECKED

CITY AND STATE GRAND JUNCTION, CO	ELEVATION: 4858 TDZE: 4833 AIRPORT NAME: GRAND JUNCTION RGNL	FACILITY IDENTIFIER: I-GJT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 11, AMDT 16 11 FEB 2010	SUP: AMDT: 15A DATED 04/10/2008
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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.

LINE 6 GS ALT AT CONT. 6700

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RIFLE ALTIMETER SETTING AND INCREASE DA AND ALL MDA 200 FEET, INCREASE S-ILS ALL CATS VISIBILITY TO RVR 5000, S-LOC VISIBILITY CAT C TO RVR 5000, CAT D TO RVR 6000, CIRCLING VISIBILITY CAT C TO 2 1/4 AND CAT D TO 3.

QUALITY
6
CHECKED

CITY AND STATE

GRAND JUNCTION, CO

ELEVATION: 4858 TDZE: 4833

AIRPORT NAME:

GRAND JUNCTION RGNL

FACILITY
IDENTIFIER:
I-GJT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 11, AMDT 16

11 FEB 2010

SUP:

AMDT: 15A

DATED: 04/10/2008

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	
DEARY (IAF)	AWINY (FB)	035.73 / 12.60	3000	LPV: DA LNAV: RW36
AWINY (IF)	LILAZ (FB)	004.13 / 7.44	2000	
				CLIMB TO 1600 DIRECT YERRU AND VIA TRACK 329.07 TO KYTEE AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.45 INBOUND. CHART FAS OBST: 326 TOWER 282923N/0804704W CHART R-2934. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.72 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 69313 REFERENCE PATH ID: W36A

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT AWINY
- FAC: 004.13 FAF: LILAZ DIST FAF TO MAP: 5.90 THLD: 5.90
- MIN. ALT: AWINY 3000, LILAZ 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: LILAZ OM: MM: IM:
- GS ANGLE: 3.00 TCH: 57.5 34:1 IS CLEAR
- MSA FROM: RW36 3000

MAG VAR: 5W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		STANDARD @								
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	234	1/2	200	234	1/2	200	234	1/2	200	234	1/2	200			
LNAV MDA	640	1/2	606	640	1/2	606	640	1/2	606	640	1/2	606			
CIRCLING	640	1	606	640	1	606	640	1 3/4	606	640	2	606			

MELBOURNE ALTIMETER SETTING MINIMUMS

LPV DA	294	1/2	260	294	1/2	260	294	1/2	260	294	1/2	260			
LNAV MDA	700	1/2	666	700	1/2	666	700	1/2	666	700	1/2	666			
CIRCLING	700	1	666	700	1	666	700	1 3/4	666	700	2	666			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AWINY VIA V437 SOUTHEAST BOUND AND ARRIVALS AT DEARY VIA V441 WESTBOUND.
CHART NOTE: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING.
CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 34 AIRPORT NAME: SPACE COAST REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-A 11 FEB 2010	SUP: AMDT: ORIG DATED 10/22/2009
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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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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTIX
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	283016.1605N
LTP/FTP LONGITUDE	0804747.5930W
LTP/FTP ELLIPSOIDAL HEIGHT	-00178
FPAP LATITUDE	283128.6200N
FPAP LONGITUDE	0804748.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00057.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

59E40F03

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00102
FPAP ORTHOMETRIC HEIGHT	+00102

QUALITY
6
CHECKED

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 34
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG-A
11 FEB 2010

SUP:
AMDT: ORIG
DATED: 10/22/2009

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.

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QUALITY
6
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 34	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-A 11 FEB 2010	SUP:
	AIRPORT NAME:			AMDT: ORIG
	SPACE COAST REGIONAL			DATED: 10/22/2009

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 KTIKK7SRW36 K7PG	0 18018003025										M		

QUALITY
6
CHECKED

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 34 TDZE: 34
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG-A
11 FEB 2010

SUP:

AMDT: ORIG

DATED: 10/22/2009

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
	DEARY	DEARY	010	IAF	IF		FB				
	DEARY	AWINY	020	IF	TF		FB	1.0	035.7 (031T)	012.6	03000
		AWINY	010	FACF	IF		FB				03000
		LILAZ	020	PAF	TF		FB	0.5	004.1 (359T)	007.4	02000
		RW36	030	MAP	TF		FO	0.3	004.1 (359T)	005.9	00091

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	004.1 (359T)		00234
	YERRU	050		DF		FB	1.0			
	KYTEE	060		TF		FO	1.0	329.1 (324T)		01600
	KYTEE	070		HM	R	FO	2.0	139.5 (135T)	004.0	01600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWINY	N281654.04	W0804733.82	N2816.901	W08047.564
	DEARY	N280602.53	W0805451.40	N2806.042	W08054.857
	KYTEE	N284028.76	W0805405.28	N2840.479	W08054.088
	LILAZ	N282421.41	W0804741.50	N2824.357	W08047.692
	YERRU	N283252.55	W0804750.28	N2832.876	W08047.838
	RW36	N283016.16	W0804747.59	N2830.269	W08047.793

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00034	58

QUALITY
CHECKED

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 34
 AIRPORT NAME:
 SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, ORIG-A
 11 FEB 2010

SUP:
 AMDT: ORIG
 DATED: 10/22/2009

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 4, 22 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 4 - CLIMB HEADING 041.00 TO 1100 BEFORE PROCEEDING ON COURSE.

RWY 22 - CLIMB HEADING 221.00 TO 1500 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, BUSH 205' FROM DER, 203' RIGHT OF CENTERLINE, 7' AGL/17' MSL.

NOTE: RWY 22, BUSH 5' FROM DER, 241' RIGHT OF CENTERLINE, 14' AGL/24' MSL. BUSH 221' FROM DER, 85' RIGHT OF CENTERLINE, 7' AGL/17' MSL.

CAUTION: SHIPS WITH SUPERSTRUCTURE TO 150' TRAVERSE CHANNELS WEST OF RUNWAY 4/22.

(4) CONTROLLING OBSTACLES:

RWY 4, 22: 1271 MSL TREE 072613.02N/1515056.14E.

QUALITY
2
CHECKED

(5) City, State

WENO ISLAND, FM

(6) Airport

CHUUK INTL

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

2

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	
MAI VORTAC	LYZ NDB	070.05 / 32.90	1900	ILS: DA LOC: 5.20 MILES AFTER OLEEE INT
LEBBY INT (IF/IAF)	OLEEE INT (NOPT)	273.71 / 9.20	1900	
				CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 1900 DIRECT LYZ NDB AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 273.71 INBOUND. CHART FAS OBST: 255 TREE 305817N/0843642W

- PT L SIDE OF COURSE 093.71 OUTBOUND 1900 FT WITHIN 10 MILES OF LYZ NDB (IAF)
-
- FAC: 273.71 FAF: OLEEE INT DIST FAF TO MAP: 5.20 THLD: 5.20
- MIN. ALT: MAI VORTAC 1900, OLEEE 1900
- DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 750
- MIN GS INCPT: 1900 GS ALT AT: OLEEE INT 1900 OM: - MM: - IM: -
- GS ANGLE: 3.00 TCH: 37.7
- MSA FROM: LYZ NDB 2600

MAG VAR: 4W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 27	334	1/2	200	334	1/2	200	334	1/2	200	334	1/2	200				
S-LOC 27	560	3/4	426	560	3/4	426	560	3/4	426	560	3/4	426				
CIRCLING	600	1	459	600	1	459	600	1 1/2	459	700	2	559				

NOTES:

CHART NOTE: ADF REQUIRED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TALLAHASSEE REGIONAL ALTIMETER SETTING AND INCREASE S-ILS 27 DA TO 429 AND ALL MDAS 100 FEET; INCREASE S-ILS 27 ALL CATS VISIBILITY 1/4 MILE, S-LOC 27 VISIBILITY CAT C 1/4 MILE AND CAT D 1/2 MILE.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
6
CHECKED

CITY AND STATE BAINBRIDGE, GA	ELEVATION: 141 TDZE: 134 AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK	FACILITY IDENTIFIER: I-BGE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED
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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 NOTE: FOR INOPERATIVE MALSR, WHEN USING TALLAHASSEE REGIONAL ALTIMETER SETTING INCREASE

S-ILS 27 ALL CATS VISIBILITY 1/2 MILE.



CITY AND STATE BAINBRIDGE, GA	ELEVATION: 141 TDZE: 134	FACILITY IDENTIFIER: I-BGE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK			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 24, STANDARD

RWY 06, 400 - 2 OR STANDARD WITH MINIMUM CLIMB OF 300' PER NM TO 2000.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 06 - CLIMB HEADING 058.96 TO 2300 BEFORE PROCEEDING ON COURSE.

RWY 24 - CLIMB HEADING 238.97 TO 1900 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 06, TREES BEGINNING 68' FROM DER, 5' LEFT OF CENTERLINE, UP TO 100' AGL/1558' MSL. TREES BEGINNING 149' FROM DER, 103' RIGHT OF CENTERLINE, UP TO 100' AGL/1575' MSL. BLDG 1510' FROM DER, 55' RIGHT OF CENTERLINE, 68' AGL/1502' MSL. LIGHT POLE 2099' FROM DER, 564' LEFT OF CENTERLINE, 49' AGL/1513' MSL. LIGHT POLE 2092' FROM DER, 724' LEFT OF CENTERLINE, 49' AGL/1513' MSL. BLDG 2530' FROM DER, 557' LEFT OF CENTERLINE, 58' AGL/1531' MSL. UTILITY TANK 4279' FROM DER, 736' RIGHT OF CENTERLINE, 123' AGL/1606' MSL. TOWER 7440' FROM DER, 291' RIGHT OF CENTERLINE, 127' AGL/1656' MSL. TANK 1.6 NM FROM DER, 2448' RIGHT OF CENTERLINE, 96' AGL/1746' MSL. NOTE: RWY 24, TERRAIN BEGINNING 465' FROM DER, 17' LEFT OF CENTERLINE, UP TO 1435' MSL. TREES BEGINNING 517' FROM DER,

(4) CONTROLLING OBSTACLES:

RWY 06, 1606' MSL UTILITY TANK 343031.27N-0833208.77W. 1746' MSL TANK 343047.00N-0833102.00W. 4630' MSL AAO 344802.20N-0834054.00W.
RWY 24, 3356' MSL AAO 343820.40N-0834248.30W

QUALITY
CHECKED

(5) City, State CORNELIA, GA	(6) Airport HABERSHAM COUNTY	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 3
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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: 36' RIGHT OF CENTERLINE, UP TO 100' AGL/1491' MSL. BUILDINGS BEGINNING 676' FROM DER, 140' RIGHT OF CENTERLINE, UP TO 34' AGL/1429' MSL. TREES BEGINNING 744' FROM DER, 6' LEFT OF CENTERLINE, UP TO 100' AGL/1507' MSL. UTILITY TANKS BEGINNING 818' FROM DER, 116' LEFT OF CENTERLINE, UP TO 30' AGL/1435' MSL. BUILDINGS BEGINNING 1180' FROM DER, 133' LEFT OF CENTERLINE, UP TO 58' AGL/1459' MSL. POLES BEGINNING 1655' FROM DER, 497' LEFT OF CENTERLINE, UP TO 38' AGL/1465' MSL.

QUALITY
CHECKED

City, State CORNELIA, GA	Airport HABERSHAM COUNTY	Effective Date 11 FEB 2010	Amdt. No. 3		
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 9, 15, 27, STANDARD.

RWY 33, 300 - 2 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 242 FEET PER NM TO 1700.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 33, CLIMB HEADING 331.86 TO 1800 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREES BEGINNING 4' FROM DER, 106' RIGHT OF CENTERLINE, UP TO 70' AGL/1289' MSL. TREES BEGINNING 551' FROM DER, 382' LEFT OF CENTERLINE, UP TO 70' AGL/1269' MSL.

NOTE: RWY 15, TREES BEGINNING 27' FROM DER, 345' LEFT OF CENTERLINE, UP TO 70' AGL/1256' MSL. POSTS BEGINNING 7' FROM DER, 142' RIGHT OF CENTERLINE, UP TO 10' AGL/1209' MSL.

NOTE: RWY 27, TRAIN 266' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 23' AGL/1252' MSL.

NOTE: RWY 33, VEHICLES ON ROAD BEGINNING 344' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 1223' MSL. CONT.

(4) CONTROLLING OBSTACLES:

RWY 33, 1500 MSL TOWER 431600.00N/0933910.00W, 1618 MSL TOWER 431702.00N/0933751.00W.

(5) City, State FOREST CITY, IA	(6) Airport FOREST CITY MUNI	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 2
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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: (CONT'D)

BUILDING 182' FROM DER, 483' LEFT OF CENTERLINE, 24' AGL/1224' MSL. ELECTRICAL SYSTEMS BEGINNING 250' FROM DER, 441' LEFT OF CENTERLINE, UP TO 47' AGL/1247' MSL.
TREES BEGINNING 429' FROM DER, 26' LEFT OF CENTERLINE, UP TO 70' AGL/1235' MSL.

City, State FOREST CITY, IA		Airport FOREST CITY MUNI		Effective Date 11 FEB 2010	Amdt. No. 2
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

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:

RWY 10L/10R: CLIMB HEADING 100.13 TO 3600 THEN CLIMBING RIGHT TURN HEADING 260.00 TO INTERCEPT AND CLIMB VIA BOI VORTAC R-216 OUTBOUND TO CROSS FIMGU INT/BOI 11.00 DME FIX AT OR ABOVE 5300 THEN VIA BOI R-216 TO CROSS BOI VORTAC AT OR ABOVE MEA/MCA FOR ASSIGNED ROUTE OF FLIGHT OR CLIMB IN VISUAL CONDITIONS TO CROSS BOISE AIR TERMINAL/GOWEN FIELD AIRPORT AT OR ABOVE MEA/MCA BEFORE PROCEEDING ON ASSIGNED ROUTE OF FLIGHT.

RWY 28L/28R: CLIMBING LEFT TURN HEADING 170.00 TO INTERCEPT AND CLIMB VIA BOI VORTAC R-216 OUTBOUND TO CROSS FIMGU INT/BOI 11.00 DME FIX AT OR ABOVE 5300 THEN VIA BOI R-216 TO CROSS BOI VORTAC AT OR ABOVE MEA/MCA FOR ASSIGNED ROUTE OF FLIGHT.

(2) Transition Routes (Graphic Depiction Only)

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

(3) Procedural Data Notes / Takeoff Minirums:

RWY 28L/R, STANDARD.

RWY 10L, STANDARD WITH MINIMUM CLIMB OF 208 FEET PER NM TO 4300 OR 5500-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 10R, STANDARD WITH MINIMUM CLIMB OF 205 FEET PER NM TO 4300 OR 5500-3 FOR CLIMB IN VISUAL CONDITIONS.

(4) Takeoff Obstacle Notes: NOTE: RWY 10L, DME ANT 5' FROM DER, 415' RIGHT OF CENTERLINE, 21' AGL/2881' MSL. LT ON BLDG 271' FROM DER, 567' LEFT OF CENTERLINE, 29' AGL/2889' MSL. EQUIP ON ROAD 462' FROM DER, 444' LEFT OF CENTERLINE, 17' AGL/2887' MSL.

NOTE: RWY 28R, ANEMOMETER 452' FROM DER, 306' LEFT OF CENTERLINE, 11' AGL/2842' MSL.

(5) Controlling Obstacles: RWY 10 L/R, 3519' MSL AAO 433036.74N/1160944.53W, 3879' MSL AAO 433008.96N/1160436.61W.

VCOA: 3985' MSL AAO 433628.85N/1160732.09W.

(6) Fixes and/or NAVAID'S :

(7) DP Name GOWEN	(8) Number ONE	(9) DP Computer Code GOWEN1.GOWEN	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 11 FEB 2010
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(13) Airports Served					
Airport Name	BOISE AIR TERMINAL/GOWEN FIELD	City/State	BOISE/ID		
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
(14) Lost Communications Procedures:					
(15) Communications: ATIS, CLNC DEL, GND CON, BOI ATCT, BOI DEP CON: BOI R-279 CW TO R-097 - 126.9/351.85, BOI R-098 CW TO R-278 - 119.6/269.4					
(16) Additional Flight Data: CHART R-3203. CHART NOTE: ADF OR DME REQUIRED.					
(17) Continuation:					
					
(7) DP Name	(8) Number	(9) DP Computer Code	(10) Superseded Number	(11) Dated	(12) Effective Date
GOWEN	ONE	GOWEN1.GOWEN	NONE		11 FEB 2010

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:

(2) TEXTUAL DEPARTURE PROCEDURE:
USE GOWEN DEPARTURE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

QUALITY
5
CHECKED

(5) City, State

BOISE, ID

(6) Airport

BOISE AIR TERMINAL/GOWEN FIELD

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

6

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: BOI VORTAC									
HESGO/22.00 DME CW (IAF)		ARYOT/22.00 DME		22.00 DME ARC				8800		CLIMB TO 4500 VIA BOI VORTAC R-278 TO JIMMI/11.98 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 098.14 INBOUND. CHART FAS OBST: 3113 OL TK 433227N/1160945W CHART: 3419 TREE 433037N/1160945W CHART: 3119 ANTENNA 433134N/1160830W CHART: 3819 TREE 433016N/1160349W CHART VDP AT 0.66 DME; DISTANCE VDP TO THLD 1.48 MILES. CHART BOI R-113 AT CANEK. CHART BOI R-087 AT HESGO. REWAY TO RW28L: 3.16/50. FAC CROSSES RWY C/L EXTENDED 3719 FROM THLD.									
CANEK/22.00 DME CCW (IAF)		ARYOT/22.00 DME		22.00 DME ARC				8800											
ARYOT/22.00 DME		ZIBOR/16.00 DME		278.00 / 6.00 (BOI R-098)				7500											
ZIBOR/16.00 DME (IF)		EMAPE/10.00 DME		278.00 / 6.00 (BOI R-098)				6300											
EMAPE/10.00 DME		UNTJ/8.00 DME		278.00 / 2.00 (BOI R-098)				5800											
UNTJ/8.00 DME		REWAY/6.00 DME		278.00 / 2.00 (BOI R-098)				5200											
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 ZIBOR/16.00 DME 3. FAC <u>278.00</u> FAF <u>REWAY/6.00 DME</u> DIST FAF TO MAP <u>6.00</u> THLD <u>6.83</u> 4. MIN. ALT <u>ZIBOR 7500, EMAPE 6300, UNTJ 5800, REWAY 5200, YODVU/2.40 DME 3980</u> 8. MSA FROM: <u>BOI VORTAC 130-300 6600, 300-130 9500</u>														MAG VAR: 17E		EPOCH YEAR: 1985			
MINIMUMS																			
TAKEOFF: <u> </u>		STANDARD <u>X</u>		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: <u>NA</u>		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-28L	3380	2400	522	3380	2400	522	3380	5000	522	3380	6000	522	3380	6000	522				
SIDESTEP 28R	3380	6000	509	3380	6000	509	3380	1 3/4	509	3380	2 1/4	509	3380	2 1/4	509				
CIRCLING	3440	1	569	3440	1	569	3440	1 1/2	569	3440	2	569	3820	3	949				
NOTES: CHART NOTE: CIRCLING NA NORTH OF RWY 10L-28R. CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-28L CAT E VISIBILITY 1/2 MILE. @ CAT E 1000-3 																			
CITY AND STATE BOISE, ID				ELEVATION: 2871 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		TDZE: 28L 2858 TDZE: 28R 2871		FACILITY IDENTIFIER: BOI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR TACAN RWY 28L, AMDT 2 11 FEB 2010				SUP AMDT 1C DATE 07/03/2008					

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:

RWY 1: CLIMBING LEFT TURN TO 5400 VIA COE R-005, THEN LEFT OR RIGHT TURN DIRECT COE VOR/DME, THEN VIA COE R-107 TO KARPS INT TO MEA FOR ROUTE OF FLIGHT.
RWY 5: CLIMBING LEFT TURN TO 5400 VIA COE R-005, THEN LEFT OR RIGHT TURN DIRECT COE VOR/DME, THEN VIA COE R-107 TO KARPS INT TO MEA FOR ROUTE OF FLIGHT OR CLIMB IN VISUAL CONDITIONS TO CROSS COEUR D'ALENE - PAPPY BOYINGTON FIELD AIRPORT AT OR ABOVE 5300 BEFORE PROCEEDING ON COURSE.

RWY 19: CLIMBING RIGHT TURN, THENCE...

RWY 23: CLIMBING LEFT TURN, THENCE...

...CLIMB ON COE R-232 TO 5300, THEN RIGHT TURN DIRECT COE VOR/DME, THEN VIA COE R-107 TO KARPS INT TO MEA FOR ROUTE OF FLIGHT.

(2) Transition Routes (Graphic Depiction Only)

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

(3) Procedural Data Notes / Takeoff Minimums:

RWY 1, STANDARD.

RWY 19, STANDARD.

RWY 23, STANDARD.

RWY 5, STANDARD WITH MINIMUM CLIMB OF 240 FEET PER NM TO 3900 OR 3100-3 FOR CLIMB IN VISUAL CONDITIONS.

(4) Takeoff Obstacle Notes: NOTE: RWY 19, TREES BEGINNING 165' FROM DER, 276' RIGHT OF CENTERLINE, UP TO 109' AGL/2399' MSL. TREE 2914' FROM DER, 425' LEFT OF CENTERLINE, 38' AGL/2383' MSL. NOTE: RWY 5, POLES BEGINNING 895' FROM DER, 690' RIGHT OF CENTERLINE, UP TO 44' AGL/2354' MSL. TREES BEGINNING 1149' FROM DER, 720' RIGHT OF CENTERLINE, UP TO 103' AGL/2563' MSL.

(5) Controlling Obstacles: RWY 1, 4964' MSL AAO 475256.20N/1163816.91W. RWY 5, 3519' MSL AAO 475131.73N/1164147.82W, 4964' MSL AAO 475256.20N/1163816.91W. RWY 19, 5203' MSL AAO 475048.21N/1165539.01W. RWY 23, 5203' MSL AAO 475048.21N/1165539.01W. VCOA, 4367' AAO 474400.82N/1164336.50W. 5203' AAO 475048.21N/1165539.01W.

(6) Fixes and/or NAVAID'S : COE VOR/DME.

(7) DP Name COEUR D'ALENE	(8) Number ONE	(9) DP Computer Code COE1.COE	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 11 FEB 2010
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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:

(2) TEXTUAL DEPARTURE PROCEDURE:
USE COEUR D'ALENE DEPARTURE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State COEUR D'ALENE , ID.	(6) Airport COEUR D'ALENE - PAPPY BOYINGTON FIELD	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 9
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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:

RWY 05, 23 NA - ENVIRONMENTAL.

RWY 18, 500 - 2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1700.

RWY 36, 300 - 2 OR STANDARD WITH MINIMUM CLIMB OF 234 FT PER NM TO 1500.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 18 - CLIMB HEADING 188.65 TO 2200 BEFORE TURNING RIGHT.

RWY 36 - CLIMB HEADING 008.64 TO 2000 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, NUMEROUS TOWERS AND POLES BEGINNING 909' FROM DER, 389' LEFT OF CENTERLINE, UP TO 135' AGL/1,432' MSL. TANK 1.1 NM FROM DER, 1,895' LEFT OF CENTERLINE, 148' AGL/1,410' MSL. ANTENNA 1.9 NM FROM DER, 478' LEFT OF CENTERLINE, 75' AGL/ 1,426' MSL. NUMEROUS TOWERS AND TREES BEGINNING 28' FROM DER, 437' RIGHT OF CENTERLINE, UP TO 320' AGL/1,540' MSL.

NOTE: RWY 36, TREE 540' FROM DER, 6' LEFT OF CENTERLINE, 100' AGL/1,164' MSL. TREES BEGINNING 2,531' FROM DER, 397' RIGHT OF CENTERLINE, UP TO 100' AGL/ 1,164' MSL. BUILDING 54' FROM DER, 435' LEFT OF CENTERLINE, 30' AGL/1,165' MSL.

(4) CONTROLLING OBSTACLES:

RWY 18: 1,361' MSL TREE 390138.35N/0965115.00W, 1,540' MSL TOWER 390015.00N/0965145.00W, 1,960' MSL TOWER 390050.40N/0965215.90W.

RWY 36: 1,376' MSL TREE 390428.75N/0964939.47W, 1,730' MSL ANTENNA 390547.87N/0964752.90W, 1,960' MSL TOWER 390050.40N/0965215.90W.

(5) City, State

JUNCTION CITY, KS

(6) Airport

FREEMAN FIELD

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

2

U.S. Department of Transportation Federal Aviation Administration		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.15 MILES AFTER STUBR INT/ FCM VOR/DME 6.36 DME OR AT FCM VOR/DME 1.22 DME FIX CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 2600 DIRECT FCM VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2600; OR WHEN DIRECTED BY ATC, CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3500 VIA HEADING 122 AND VIA GEP VORTAC R-167 TO ONARE INT/FGT 5.49 DME AND HOLD ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW ONARE INT, RT, 111.23 INBOUND. CHART FAS OBST: 1029 TREE 444946N/0933015W CHART IN PLANVIEW: ONARE INT/FGT 5.49 DME. CHART TDZE: 905	
FCM VOR/DME	STUBR INT/FCM VOR/DME 6.36 DME	279.94 / 6.36	2600		
1. PT <u>L</u> SIDE OF COURSE <u>278.02</u> OUTBOUND <u>2600</u> FT WITHIN <u>5</u> MILES OF STUBR (IAF) 2. _____ 3. FAC: <u>098.02</u> FAF: <u>STUBR INT/FCM VOR/DME 6.36 DME</u> DIST FAF TO MAP: <u>5.15</u> THLD: <u>5.15</u> 4. MIN. ALT: <u>STUBR 2600, GOBKE/FCM VOR/DME 2.70 DME 1400*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>775</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>STUBR 2600</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>41.7</u> 8. MSA FROM: <u>FCM VOR/DME 360-090 3500, 090-360 2800</u>				MAG VAR: 3E EPOCH YEAR: 1985	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: # STANDARD
CATEGORY =====>				LOC: @ STANDARD	
	COPTER			B	
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS
H-ILS 10R	1105	1/4	200		
H-LOC 10R	1400	1/4	495		
GOBKE FIX MINIMUMS					
H-LOC 10R	1280	1/4	375		
NOTES: *LOC ONLY CHART NOTE: FOR INOPERATIVE MALSR, INCREASE VISIBILITY TO 1/2 MILE. *1440 WHEN USING MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS-ST PAUL INTL-WOLD CHAMBERLAIN ALTIMETER SETTING AND INCREASE DA 34 FEET AND ALL MDA 40 FEET.					
CITY AND STATE		ELEVATION: <u>906</u> TDZE: <u>905</u>		FACILITY IDENTIFIER: <u>I-FCM</u>	
MINNEAPOLIS, MN		AIRPORT NAME: <u>FLYING CLOUD</u>		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <u>11 FEB 2010</u>	
				COPTER ILS OR LOC RWY 10R, AMDT 1, 02/11/2010	
				SUP: _____	
				AMDT: <u>ORIG-D</u>	
				DATE <u>02/15/2007</u>	

 QUALITY
CHECKED

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.												
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				TERMINAL ROUTES				MISSED APPROACH								
FROM		TO		COURSE AND DISTANCE		ALTITUDE										
GEP VORTAC		FCM VOR/DME		182.78 / 19.45		2700		ILS: DA LOC: 5.15 MILES AFTER STUBR INT/FCM VOR/DME 6.36 DME OR AT FCM VOR/DME 1.22 DME FIX CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 2700 DIRECT FCM VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700; OR WHEN DIRECTED BY ATC, CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3500 VIA HEADING 122 AND VIA GEP VORTAC R-167 TO ONARE INT/FGT 5.49 DME AND HOLD W, RT, 111.23 INBOUND. ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W ONARE INT/FGT 5.49 DME, RT, 111.23 INBOUND. CHART FAS OBST: 1029 TREE 444946N/0933015W CHART FCM R-175 AT FASAP. CHART IN PLANVIEW: ONARE INT/FGT 5.49 DME. CHART TDZE 905								
FCM VOR/DME		STUBR INT/FCM VOR/DME 6.36 DME		279.94 / 8.36		2700										
FASAP/FCM VOR/DME 13.00 DME CW (IAF)		ZAMUD/FCM VOR/DME 13.00 DME		13.00 DME ARC (FCM LR-271)		2600										
ZAMUD/FCM VOR/DME 13.00 DME (IF)		STUBR INT/FCM VOR/DME 6.36 DME		098.02 / 6.64 (I-FCM)		2600										
1. PT <u>L</u> SIDE OF COURSE <u>278.02</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>STUBR</u> (IAF) 2. _____ 3. FAC: <u>098.02</u> FAF: <u>STUBR INT/FCM VOR/DME 6.36 DME</u> DIST FAF TO MAP: <u>5.15</u> THLD: <u>5.15</u> 4. MIN. ALT: <u>STUBR 2600, GOBKE/FCM VOR/DME 2.70 DME 1400*</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>775</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>STUBR INT/FCM VOR/DME 6.36 DME CONT.</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>41.7</u> 8. MSA FROM: <u>FCM VOR/DME 360-090 3500, 090-360 2800</u>												MAG VAR: 3E		EPOCH YEAR: 1985		
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 10R	1105	1/2	200	1105	1/2	200	1105	1/2	200	1105	1/2	200				
S-LOC 10R	1400	1/2	495	1400	1/2	495	1400	3/4	495	1400	1	495				
CIRCLING	1400	1	494	1400	1	494	1400	1 1/2	494	1460	2	554				
GOBKE FIX MINIMUMS																
S-LOC 10R	1280	1/2	375	1280	1/2	375	1280	1/2	375	1280	3/4	375				
CIRCLING	1320	1	414	1360	1	454	1360	1 1/2	454	1460	2	554				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS ST-PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING AND INCREASE ALL DA 34 FEET AND ALL MDA 40 FEET, INCREASE S-LOC CAT C AND D VISIBILITY 1/4 MILE, GOBKE FIX MINIMUMS: INCREASE S-LOC CAT C VISIBILITY 1/4 MILE. SEE 8260-10																
CITY AND STATE		ELEVATION: 906 TDZE: 905				FACILITY IDENTIFIER: I-FCM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
MINNEAPOLIS, MN		AIRPORT NAME:						ILS OR LOC RWY 10R, AMDT 3, 02/11/2010				AMDT: 2C				
		FLYING CLOUD						11 FEB 2010				DATED 02/14/2008				

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.

* LOC ONLY

*1440 WHEN USING MINNEAPOLIS ST-PAUL/WOLD-CHAMBERLAIN ALTIMETER SETTING.

QUALITY
5
CHECKED

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 906

TDZE: 905

AIRPORT NAME:

FLYING CLOUD

FACILITY
IDENTIFIER:

I-FCM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 10R, AMDT 3, 02/11/2010

11 FEB 2010

SUP:

AMDT: 2C

DATED: 02/14/2008

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: 5.15 MILES AFTER STUBR INT/FCM 6.36 DME OR AT FCM 1.22 DME FIX CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 2700 DIRECT FCM VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700. ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART FAS OBST: 1029 TREE 444946N/0933015W 1249 AAO 445207N/0933616W. CHART VDP AT 2.29 DME; DISTANCE VDP TO THLD 1.07 MILES. CHART FCM R-175 AT FASAP. STUBR TO RW10R: 3.04/42. FAC 50L OF RWY C/L EXTENDED 3000 FROM THLD.							
GEP VORTAC		FCM VOR/DME		182.78 / 19.45				2700									
FCM VOR/DME		STUBR INT/FCM 6.36 DME		279.94 / 6.36				2700									
FASAP/FCM 13.00 DME CW (IAF)		CIREK/FCM 13.00 DME (NOPT)		13.00 DME ARC				2600									
CIREK/FCM 13.00 DME (IF)		STUBR INT/FCM 6.36 DME		099.94 / 6.64 (FCM R-280)				2600									
1. PT <u>L</u> SIDE OF COURSE <u>279.94</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>STUBR</u> (IAF) 2. _____ 3. FAC <u>099.94</u> FAF <u>STUBR INT/FCM 6.36 DME</u> DIST FAF TO MAP <u>5.15</u> THLD <u>5.15</u> 4. MIN. ALT <u>STUBR 2600, HIVAT/FCM 2.90 DME 1460*</u> 8. MSA FROM: <u>FCM VOR/DME 360-090 3500, 090-360 2800</u>														MAG VAR: 1E		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			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-10R	1460	1/2	555	1460	1/2	555	1460	1	555	1460	1 1/4	555					
CIRCLING	1460	1	554	1460	1	554	1460	1 1/2	554	1460	2	554					
HIVAT FIX MINIMUMS																	
S-10R	1280	1/2	375	1280	1/2	375	1280	1/2	375	1280	1	375					
CIRCLING	1320	1	414	1360	1	454	1360	1 1/2	454	1460	2	554					
NOTES: *1500 WHEN USING MINNEAPOLIS ST-PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS ST-PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, HIVAT FIX MINIMUMS: INCREASE S-10R CAT C VISIBILITY 1/4 MILE. SEE 8260-10																	
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 906 TDZE: 905 AIRPORT NAME: FLYING CLOUD				FACILITY IDENTIFIER: FCM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 10R, AMDT 9, 02/11/2010 11 FEB 2010				SUP AMDT 8B DATE 12/25/2003			



**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.

NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR, HAVAT FIX MINIMUMS: INCREASE S-10R CAT D VISIBILITY TO 1 1/4 MILE.

CHART NOTE: VDP NA WHEN USING MINNEAPOLIS ST-PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING.

QUALITY
5
CHECKED

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 906 TDZE: 905	FACILITY IDENTIFIER: FCM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 10R, AMDT 9, 02/11/2010 11 FEB 2010	SUP:
	AIRPORT NAME: FLYING CLOUD			AMDT: 8B
	DATED: 12/25/2003			

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											
										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 <u>11 FEB 2010</u>																			
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 906 TDZE: 905 AIRPORT NAME: FLYING CLOUD				FACILITY IDENTIFIER: FCM				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 36, AMDT 12, 11/28/2002				SUP AMDT 11B DATE 10/20/1997			



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: LOTIH/0.50 DME CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 2700 DIRECT FCM VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART FAS OBST: 1019 TREE 444908N/0932701W RIPNY TO RW36: 3.02/31. FAC CROSSES RWY C/L EXTENDED 3744 FROM THLD.							
FCM VOR/DME		RIPNY/6.00 DME		215.01 / 6.00				2700									
1. PT <u>R</u> SIDE OF COURSE <u>215.01</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>RIPNY</u> (IAF) 2. _____ 3. FAC <u>035.01</u> FAF <u>RIPNY/6.00 DME</u> DIST FAF TO MAP _____ THLD <u>5.50</u> 4. MIN. ALT <u>RIPNY 2700, NEADY/2.80 DME 1660</u> 8. MSA FROM: <u>FCM VOR/DME 360-090 3500, 090-360 2800</u>														MAG VAR: 1E		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			
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-36		1280	1	375	1280	1	375	1280	1	375		NA					
CIRCLING		1320	1	414	1360	1	454	1360	1 1/2	454		NA					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS ST PAUL INTL/WOLD CHAMBERLAIN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND S-36 CAT C VISIBILITY 1/4 MILE.																	
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 906 TDZE: 905 AIRPORT NAME: FLYING CLOUD				FACILITY IDENTIFIER: FCM				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 36, ORIG, 02/11/2010 11 FEB 2010				SUP	
																AMDT NONE	
																DATE	

QUALITY
 5
 CHECKED

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA
GROVZ INT/18.46 DME (IAF)	WULAM INT/15.59 DME	300.34 / 2.87 (I-INN)	6000*	CLIMBING RIGHT TURN TO 4000 VIA HEADING 040 AND GEP VORTAC R-085 TO WHISK INT/GEP 17.46 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMBING RIGHT TURN TO 4000 VIA HEADING 060 AND FGT VORTAC R-011 TO WHISK INT/31.95 DME AND HOLD N, RT, 191.00 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD E, RT, 265.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N WHISK INT/31.95 DME, RT, 191.00 INBOUND. CHART LOC RWY 35. CHART LOC RWY 30L. CHART IN PLANVIEW: WHISK INT/31.95 DME.
WULAM INT/15.59 DME	BONNA INT/12.68 DME	300.34 / 2.91 (I-INN)	5000*	
BONNA INT/12.68 DME (IF)	SAMMZ INT/9.72 DME	300.34 / 2.96 (I-INN)	4000*	
SAMMZ INT/9.72 DME	JACKO INT/6.72 DME/RADAR	300.34 / 3.00 (I-INN)	3000	

1. PT	NA	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT GROVZ						
3. FAC:		300.34	FAF:		DIST FAF TO MAP:	THLD:
4. MIN. ALT: GROVZ 7000, WULAM 6000*, BONNA 5000*, SAMMZ 4000*						
5. DIST TO THLD FROM OM:		-	MM:	-	IM:	- 150 HAT: - 100 HAT: - GS ANT: 1025
6. MIN GS INCPT:		3000	GS ALT AT: JACKO INT/6.72 DME/RADAR 3000		OM:	- MM: - IM: -
7. GS ANGLE:		3.00	TCH: 55.0			
8. MSA FROM: GEP VORTAC 180-270 2700, 270-180 3500						

EPOCH YEAR: 2010

[illegible]

NOTES:
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH CONVERGING ILS RWY 35.
CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC. INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.

SUP:	
AMDT:	ORIG
DATED	10/27/2005

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	ILS: DA											
JAMEZ/I-BMA 19.75 DME/RADAR (IF)	OBERR INT/I-BMA 16.88 DME/RADAR	348.54 / 2.87 (I-BMA)	6000*	CLIMBING LEFT TURN TO 5000 VIA HEADING 240 AND GEP R-182 TO LYDIA INT/GEP 32.57 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMBING LEFT TURN TO 5000 VIA HEADING 180 AND FGT R-258 TO LYDIA INT/FGT 12.80 DME AND HOLD W, RT, 77.97 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W LYDIA INT/GEP 32.57 DME, RT, 077.97 INBOUND. CHART LOC RWY 30R. CHART LOC RWY 30L. CHART: FGT R-258/12.80 DME AT LYDIA											
OBERR INT/I-BMA 16.88 DME/RADAR	SSTAR INT/I-BMA 13.97 DME/RADAR	348.54 / 2.91 (I-BMA)	5000*												
SSTAR INT/I-BMA 13.97 DME/RADAR	ROZEE INT/I-BMA 11.01 DME/RADAR	348.54 / 2.96 (I-BMA)	4000*												
ROZEE INT/I-BMA 11.01 DME/RADAR	LORAH INT/I-BMA 8.00 DME/RADAR	348.54 / 3.01 (I-BMA)	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 JAMEZ 3. FAC: <u>348.54</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>JAMEZ 7000*</u> , <u>OBERR 6000*</u> , <u>SSTAR 5000*</u> , <u>ROZEE 4000*</u> 5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>1021</u> 150 HAT: <u> </u> - <u> </u> 100 HAT: <u> </u> - <u> </u> GS ANT: <u>938</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>LORAH INT/I-BMA 8.00 DME/RADAR</u> OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>937</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.8</u> 8. MSA FROM: <u>GEP VORTAC 180-270 2700, 270-180 3500</u>				MAG VAR: 1E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	X										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35	1684	3	850	1684	3	850	1684	3	850	1684	3	850			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART PLANVIEW NOTE: RADAR REQUIRED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000 OR 7000. SEE 8260-10															
CITY AND STATE				ELEVATION: 841 TDZE: 834		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MINNEAPOLIS, MN				AIRPORT NAME:		I-BMA		CONVERGING ILS RWY 35, AMDT 2, 02/11/2010				AMDT: 1A			
				MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				11 FEB 2010				DATED 12/18/2008			

QUALITY
 5
 CHECKED

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 NOTE: NO AUTOLAND ON CONVERGING ILS RWY 35.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH CONVERGING ILS RWY 30L AND CONVERGING ILS RWY 30R.



CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 841

TDZE: 834

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:

I-BMA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

CONVERGING ILS RWY 35, AMDT 2, 02/11/2010

11 FEB 2010

SUP:

AMDT: 1A

DATED: 12/18/2008

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	ILS: DA LOC: 6.51 MILES AFTER WASHY INT/I-PJL 7.65 DME/RADAR OR AT I-PJL 1.15 DME FIX CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 350 AND FCM VOR/DME R-046 TO WHISK INT/GEP 17.46 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT GEP VORTAC AND HOLD NW, LT, 117.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, RT, 265.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW GEP VORTAC, LT, 117.00 INBOUND. CHART FAS OBST: 979 TREE 445419N/0931548W CHART LOC RWY 12R. CHART VDP AT 2.14 DME; DISTANCE VDP TO THLD 1.01 MILES. CHART IN PLANVIEW: GEP VORTAC. CHART IN PLANVIEW: FCM VOR/DME. CHART 1085 TANK 445448N/0931651W. CHART IN PLANVIEW: MSP VOR/DME.											
CCJAY INT/I-PJL 19.40 DME (IAF)	UBTYA INT/I-PJL 16.53 DME	120.33 / 2.87 (I-PJL)	6000**												
UBTYA INT/I-PJL 16.53 DME	ALGIN INT/I-PJL 13.62 DME	120.33 / 2.91 (I-PJL)	5000**												
ALGIN INT/I-PJL 13.62 DME (IF)	HAMML INT/I-PJL 10.66 DME	120.33 / 2.96 (I-PJL)	4000**												
HAMML INT/I-PJL 10.66 DME	WASHY INT/I-PJL 7.65 DME/RADAR	120.33 / 3.01 (I-PJL)	3000												
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 CCJAY 3. FAC: <u>120.33</u> FAF: <u>WASHY INT/I-PJL 7.65 DME/RADAR</u> DIST FAF TO MAP: <u>6.51</u> THLD: <u>6.51</u> 4. MIN. ALT: <u>CCJAY 7000, UBTYA 6000**, ALGIN 5000**, HAMML 4000**, WASHY 3000, AASUN/I-PJL 3.46 (SEE 8260-10)</u> 5. DIST TO THLD FROM OM: <u>6.51</u> MM: <u>-</u> IM: <u>902</u> 150 HAT: <u>-</u> 100 HAT: <u>887</u> GS ANT: <u>1350</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>WASHY INT/I-PJL 7.65 DME/RADAR CONT.</u> OM: <u>-</u> MM: <u>-</u> IM: <u>950</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.0</u> 8. MSA FROM: <u>FCM VOR/DME 360-090 3500, 090-360 2800</u>				MAG VAR: 1E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: <u> </u>		STANDARD <u> </u> X <u> </u>		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A <u> </u> ILS: # <u> </u>		LOC: 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
S-ILS 12L	1039	1800	200	1039	1800	200	1039	1800	200	1039	1800	200	1039	1800	200
S-LOC 12L	1520	2400	681	1520	2400	681	1520	1 1/2	681	1520	1 3/4	681	1520	2	681
CIRCLING	1520	1	679	1520	1	679	1520	2	679	1520	2 1/4	679	1660	3	819
AASUN FIX MINIMUMS															
S-LOC 12L	1240	2400	401	1240	2400	401	1240	4000	401	1240	4000	401	1240	5000	401
CIRCLING	1360	1	519	1360	1	519	1360	1 1/2	519	1460	2	619	1660	3	819
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 12L: RA 115, RVR 1200, DA 939 MSL, HAT/HAT 100; CATS A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 12L: CAT IIIA RVR 700; CATS A, B, C, D. CAT IIIB RVR 600; CATS A, B, C, D. CAT IIIC NA. SEE 8260-10															
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 841 TDZE: 839 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				FACILITY IDENTIFIER: I-PJL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 12L, AMDT 8, 02/11/2010 ILS RWY 12L (CAT II), ILS RWY 12L (CAT III) 11 FEB 2010				SUP: AMDT: 7 DATED 09/29/2005	



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.

LINE 6 GS ALT AT CONT. 3000

LINE 4 CONT.
DME/RADAR 1520*

NOTES CONT.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 12L CAT E VISIBILITY TO RVR 4000 AND S-LOC 12L CAT E VISIBILITY TO 2 1/2 MILE.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART NOTE: FOR INOPERATIVE ALSF WHEN USING AASUN FIX MINIMUMS, INCREASE S-LOC CAT E VISIBILITY TO 1 1/2 MILE.

CHART PROFILE NOTE: **WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.

QUALITY
8
CHECKED

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 841 TDZE: 839

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:

I-PJL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 12L, AMDT 8, 02/11/2010
ILS RWY 12L (CAT II), ILS RWY 12L (CAT III)

11 FEB 2010

SUP:

AMDT: 7

DATED: 09/29/2005

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	ILS: DA LOC: 6.48 MILES AFTER KINNS INT/I-HKZ 7.94 DME/RADAR OR AT I-HKZ 1.46 DME FIX CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 5000 DIRECT FGT VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 5000 DIRECT FCM VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, HOLD W, RT, 085.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD S, RT, 358.03 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W FCM VOR/DME, RT, 085.00 INBOUND. CHART FAS OBST: 979 TREE 445419N/0931548W CHART VDP AT 2.51 DME; DISTANCE VDP TO THLD 1.05 MILES. CHART IN PLANVIEW: FCM VOR/DME.											
PAETN INT/I-HKZ 19.68 DME (IAF)	UTHNK INT/I-HKZ 16.81 DME	120.34 / 2.87 (I-HKZ)	6000*												
UTHNK INT/I-HKZ 16.81 DME	WAYZA INT/I-HKZ 13.90 DME	120.34 / 2.91 (I-HKZ)	5000*												
WAYZA INT/I-HKZ 13.90 DME (IF)	ZESTY INT/I-HKZ 10.95 DME/RADAR	120.34 / 2.96 (I-HKZ)	4000*												
ZESTY INT/I-HKZ 10.95 DME/RADAR	KINNS INT/I-HKZ 7.94 DME/RADAR	120.34 / 3.00 (I-HKZ)	3000												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT PAETN 3. FAC: <u>120.34</u> FAF: <u>KINNS INT/I-HKZ 7.94 DME/RADAR</u> DIST FAF TO MAP: <u>6.48</u> THLD: <u>6.48</u> 4. MIN. ALT: <u>PAETN 7000, UTHNK 6000*, WAYZA 5000*, ZESTY 4000*, KINNS 3000, WABBS/I-HKZ 3.16 DME/RADAR (SEE 8260-10)</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>858</u> 150 HAT: <u> </u> 100 HAT: <u>878</u> GS ANT: <u>1030</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>KINNS INT/I-HKZ 7.94 DME/RADAR 3000</u> OM: <u> </u> MM: <u> </u> IM: <u>937</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.8</u> 8. MSA FROM: <u>FCM VOR/DME 360-090 3500, 090-360 2800</u>				MAG VAR: 1E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @									
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 12R	1041	1800	200	1041	1800	200	1041	1800	200	1041	1800	200	1041	1800	200
S-LOC 12R	1420	2400	579	1420	2400	579	1420	5000	579	1420	6000	579	1420	1 1/2	579
CIRCLING	1420	1	579	1420	1	579	1420	1 1/2	579	1460	2	619	1660	3	819
WABBS FIX MINIMUMS															
S-LOC 12R	1240	2400	399	1240	2400	399	1240	2400	399	1240	4000	399	1240	5000	399
CIRCLING	1360	1	519	1360	1	519	1360	1 1/2	519	1460	2	619	1660	3	819
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS S-12R: RA 106, RVR 1200 DA 941 MSL, HAT/HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS S-12R: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR NA; CAT IIIC NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 841 TDZE: 841		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MINNEAPOLIS, MN				AIRPORT NAME:		I-HKZ		ILS OR LOC RWY 12R, AMDT 9, 02/11/2010 ILS RWY 12R (CAT II), ILS RWY 12R (CAT III)				AMDT: 8			
				MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				11 FEB 2010				DATED 09/29/2005			

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.

LINE 4 CONT.
1420%

NOTES CONT.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 12R CAT E VISIBILITY TO RVR 4000 AND S-LOC 12R CAT E VISIBILITY TO 2.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.

%LOC ONLY

CHART NOTE: WABBS FIX MINIMUMS: FOR INOPERATIVE ALSF, INCREASE S-LOC 12R CAT E VISIBILITY TO 1 1/2.

QUALITY
5
CHECKED

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 841 TDZE: 841

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:

I-HKZ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 12R, AMDT 9, 02/11/2010
ILS RWY 12R (CAT II), ILS RWY 12R (CAT III)

11 FEB 2010

SUP:

AMDT: 8

DATED: 09/29/2005

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				
GROVZ INT/18.46 DME (IAF)	WULAM INT/15.59 DME	300.34 / 2.87 (I-INN)	6000**	ILS: DA LOC: 6.55 MILES AFTER JACKO INT/I-INN 6.72 DME OR AT I-INN 0.19 DME FIX CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 040 AND GEP VORTAC R-085 TO WHISK INT/GEP 17.46 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 5500 VIA HEADING 060 AND GEP VORTAC R-011 TO WHISK INT/31.95 DME AND HOLD N, RT, 191.00 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD E, RT, 265.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N WHISK INT/GEP 17.46 DME, RT, 191.00 INBOUND. CHART FAS OBST: 1111 TANK 445208N/0930852W CHART VDP AT 1.58 DME; DISTANCE VDP TO THLD 1.41 MILES. * LOC ONLY CHART IN PLANVIEW: WHISK INT/31.95 DME.			
WULAM INT/15.59 DME	BONNA INT/12.68 DME	300.34 / 2.91 (I-INN)	5000**				
BONNA INT/12.68 DME (IF)	SAMMZ INT/9.72 DME	300.34 / 2.96 (I-INN)	4000**				
SAMMZ INT/9.72 DME	JACKO INT/6.72 DME	300.34 / 3.00 (I-INN)	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 GROVZ	
3. FAC: <u>300.34</u> FAF: <u>JACKO INT/6.72 DME</u> DIST FAF TO MAP: <u>6.55</u> THLD: <u>6.55</u>	
4. MIN. ALT: <u>GROVZ 7000, WULAM 6000**, BONNA 5000**, SAMMZ 4000**, JACKO 3000, CIJOT/2.17 DME 1500*</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>1025</u>	
6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>JACKO INT/6.72 DME 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u>	
8. MSA FROM: <u>GEP VORTAC 180-270 2700, 270-180 3500</u>	

MINIMUMS															
TAKEOFF: <u> </u>	STANDARD ☒	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>N A</u>	ILS: # <u> </u>	LOC: STANDARD @									
CATEGORY <u>=====</u>	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 30R	1073	4000	250	1073	4000	250	1073	4000	250	1073	4000	250	1073	4000	250
S-LOC 30R	1500	5000	677	1500	5000	677	1500	2	677	1500	2 1/4	677	1500	2 1/2	677
CIRCLING	1500	1	659	1500	1	659	1500	2	659	1500	2 1/4	659	1660	3	819

DME MINIMUMS															
S-LOC 30R	1340	5000	517	1340	5000	517	1340	1 1/2	517	1340	1 3/4	517	1340	1 3/4	517
CIRCLING	1360	1	519	1360	1	519	1360	1 1/2	519	1460	2	619	1660	3	819

NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY CHART PROFILE NOTE: **WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.																# CAT A, B, C 700-2, CAT D 700-2 1/4, CAT E 900-3 @ CAT D 800-2 1/4, CAT E 900-3			
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CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 823 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	FACILITY IDENTIFIER: I-INN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 30R, AMDT 13, 02/11/2010 11 FEB 2010	SUP: AMDT: 12 DATED 04/10/2008
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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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
JAMEZ/I-BMA 19.75 DME/RADAR (IF)	OBERR INT/I-BMA 16.88 DME/RADAR	348.54 / 2.87 (I-BMA)	6000*	ILS: DA LOC: 6.52 MILES AFTER LORAH INT/I-BMA 8.00 DME/RADAR OR AT I-BMA 1.48 DME FIX CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 240 AND GEP R-182 TO LYDIA INT/GEP 32.57 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 180 AND FGT VORTAC R-258 TO LYDIA INT/FGT 12.80 DME AND HOLD W, RT, 077.97 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W LYDIA INT/FGT 12.80 DME, RT, 077.97 INBOUND. CHART FAS OBST: 929 TREE 445141N/0931419W CHART VDP AT 3.23 DME; DISTANCE VDP TO THLD 1.75 MILES. CHART: FGT R-258/12.80 DME AT LYDIA											
OBERR INT/I-BMA 16.88 DME/RADAR	SSTAR INT/I-BMA 13.97 DME/RADAR	348.54 / 2.91 (I-BMA)	5000*												
SSTAR INT/I-BMA 13.97 DME/RADAR	ROZEE INT/I-BMA 11.01 DME/RADAR	348.54 / 2.96 (I-BMA)	4000*												
ROZEE INT/I-BMA 11.01 DME/RADAR	LORAH INT/I-BMA 8.00 DME/RADAR	348.54 / 3.01 (I-BMA)	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 JAMEZ 3. FAC: <u>348.54</u> FAF: <u>LORAH INT/I-BMA 8.00 DME/RADAR</u> DIST FAF TO MAP: <u>6.52</u> THLD: <u>6.52</u> 4. MIN. ALT: <u>JAMEZ 7000*</u> , <u>OBERR 6000*</u> , <u>SSTAR 5000*</u> , <u>ROZEE 4000*</u> , <u>LORAH 3000</u> , <u>HUCUM/I-BMA 3.78 DME 1600%</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>1021</u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>938</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>LORAH INT/I-BMA 8.00 DME/RADAR CONT.</u> OM: <u> </u> MM: <u> </u> IM: <u>937</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.8</u> 8. MSA FROM: <u>GEP VORTAC 180-270 2700, 270-180 3500</u>				MAG VAR: 1E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: <u> </u>	STANDARD <u>X</u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: # <u> </u>	LOC: 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
S-ILS 35	1034	1800	200	1034	1800	200	1034	1800	200	1034	1800	200	1034	1800	200
S-LOC 35	1600	2400	766	1600	4000	766	1600	1 3/4	766	1600	2	766	1600	2 1/4	766
CIRCLING	1600	1	759	1600	1 1/4	759	1600	2 1/4	759	1600	2 1/2	759	1660	3	819
HUCUM FIX MINIMUMS															
S-LOC 35	1460	2400	626	1460	2400	626	1460	6000	626	1460	1 1/2	626	1460	1 3/4	626
CIRCLING	1460	1	619	1460	1	619	1460	1 3/4	619	1460	2	619	1660	3	819
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 35: RA 107, RVR 1200, DA 944 MSL, HAT/HAT 110; CATS A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 35: CAT IIIA RVR 700; CATS A, B, C, D. CAT IIIB RVR 600; CATS A, B, C, D. CAT IIIC NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 841 TDZE: 834		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
MINNEAPOLIS, MN		AIRPORT NAME:		I-BMA		ILS OR LOC RWY 35, AMDT 2, 02/11/2010 ILS RWY 35 (CAT II), ILS RWY 35 (CAT III)				AMDT: 1A					
		MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				11 FEB 2010				DATED 03/12/2009					



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.

LINE 6 GS ALT AT CONT. 3000

NOTES CONT.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 35 CAT E VISIBILITY TO RVR 4000 INCREASE ALL

S-LOC 35 CAT E VISIBILITIES 1/2 MILE.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

%LOC ONLY

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000 OR 7000.

QUALITY
5
CHECKED

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 841

TDZE: 834

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:

I-BMA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 35, AMDT 2, 02/11/2010
ILS RWY 35 (CAT II), ILS RWY 35 (CAT III)

11 FEB 2010

SUP:

AMDT: 1A

DATED: 03/12/2009

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations 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	
LYDIA INT (IAF)	KETAM INT	358.00 / 5.42 (HDG) & 044.00 / 4.29 (I-APL)	4000*	MAP: 4.32 MILES AFTER IGEPY INT
KETAM INT (IF)	IGEPY INT	044.00 / 6.37 (I-APL)	2300	CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT GEP VORTAC AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, LT, 117.00 INBOUND. FAS OBST: 1089 AAO 444926N/0931928W IGEPY TO RW04: 3.08/55. CHART (UYETI) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE. 1119 AAO 444924N/0931941W.

1. PT	NA	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT KETAM					
3. FAC	044.00	FAF	IGEPY INT	DIST FAF TO MAP	4.32	THLD 4.32
4. MIN. ALT	KETAM 4000*, IGEPY 2300					
8. MSA FROM:	GEP VORTAC 180-270 2700, 270-180 3500					

MAG VAR: 1E 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		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-4		1340	2400	508	1340	2400	508	1340	5000	508	1340	5000	508	1340	6000	508
CIRCLING		1360	1	519	1360	1	519	1360	1 1/2	519	1460	2	619	1660	3	819

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-4 CAT E VISIBILITY TO 1 3/4 MILE.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
***2700 WHEN ASSIGNED BY ATC**
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LYDIA ON V505 SOUTHBOUND.

@ CAT E 900-3

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 832	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
	AIRPORT NAME:	I-APL	LOC RWY 4, AMDT 1, 02/11/2010	AMDT ORIG
	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		11 FEB 2010	DATE 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES															MISSED APPROACH				
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 5.86 MILES AFTER CHETZ INT/I-TJZ 5.70 DME OR AT I-TJZ 0.17 DME FIX CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 5000 DIRECT FGT VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 358.03 INBOUND. CHART FAS OBST: 940 TREE 445400N/0931436W CHART 1743 BLDG 445834N/0931621W. CHART VDP AT 0.78 DME; DISTANCE VDP TO THLD 0.94 MILES. CHETZ TO RW17: 3.05/60. CHART: 1030 TOWER 445658N/0931540W							
GEP VORTAC (IAF) ARJAE INT/I-TJZ 11.83 DME (IF)			ARJAE INT/I-TJZ 11.83 DME CHETZ INT/I-TJZ 5.70 DME			131.39 / 5.00 168.53 / 6.13 (I-TJZ)				4000 2800									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT ARJAE 3. FAC <u>168.53</u> FAF <u>CHETZ INT/I-TJZ 5.70 DME</u> DIST FAF TO MAP <u>5.86</u> THLD <u>5.86</u> 4. MIN. ALT <u>ARJAE 4000, CHETZ 2800, BOBEE INT/I-TJZ 3.56 DME 2100</u> 8. MSA FROM: <u>GEP VORTAC 180-270 2700, 270-180 3500</u>															MAG VAR: 1E EPOCH YEAR: 2010				
MINIMUMS																			
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: NA		STANDARD						
CATEGORY ==>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-17		1200	5000	360	1200	5000	360	1200	5000	360	1200	6000	360						
CIRCLING		1360	1	519	1360	1	519	1360	1 1/2	519	1460	2	619						
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GEP VORTAC AIRWAY RADIALS 085 CW 182.																			
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 841 TDZE: 840 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				FACILITY IDENTIFIER: I-TJZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 17, AMDT 1, 02/11/2010 11 FEB 2010				SUP					
														AMDT		ORIG			
														DATE		10/27/2005			



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 5.24 MILES AFTER SNELL OM/INT/RADAR							
WAGNR INT (IAF)		CUSAC INT		174.00 / .70 (HDG) & 224.01 / 1.56 (I-SIJ)				4000*		CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 DIRECT FCM VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000; OR WHEN DIRECTED BY ATC, CLIMB TO 5000 VIA HEADING 224 AND GEP VORTAC R-182 TO LYDIA INT/GEP 32.57 DME AND HOLD S, RT, 002.00 INBOUND (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S LYDIA INT/32.57 DME, RT, 002.00 INBOUND. FAS OBST: 1169 AAO 445621N/0930936W CHART 1224 SPIRE 445649N/0930633W. CHART IN PLANVIEW: LYDIA INT/32.57 DME. SNELL TO RW22: 2.90/61. CHART (XUGVE) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.							
CUSAC INT (IF)		SNELL OM/INT/RADAR		224.01 / 6.00 (I-SIJ)				2500									
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 CUSAC 3. FAC <u>224.01</u> FAF <u>SNELL OM/INT/RADAR</u> DIST FAF TO MAP <u>5.24</u> THLD <u>5.24</u> 4. MIN. ALT <u>CUSAC 4000*, SNELL OM/INT/RADAR 2500</u> 8. MSA FROM: <u>GEP VORTAC 180-270 2700, 270-180 3500</u>										MAG VAR: 1E				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			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-22	1420	4000	592	1420	4000	592	1420	5000	592	1420	6000	592	1420	1 1/2	592		
CIRCLING	1420	1	579	1420	1	579	1420	1 1/2	579	1460	2	619	1660	3	819		
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-22 CAT A AND B VISIBILITY TO RVR 5000 AND CAT E VISIBILITY TO 2 MILES. @ CAT E 900-3 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *2600 WHEN ASSIGNED BY ATC CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAGNR ON V13 NORTHBOUND.																	
CITY AND STATE				ELEVATION: 841 TDZE: 828				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP	
MINNEAPOLIS, MN				AIRPORT NAME:				I-SIJ				LOC RWY 22, AMDT 1, 02/11/2010				AMDT ORIG-A	
				MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN								11 FEB 2010				DATE 07/02/2009	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
FUDGE (IAF)	UBTYA (FB)	136.93 / 3.32	4000**	LPV: DA LNAV/VNAV: DA LNAV: RW12L CLIMB TO 4000 DIRECT JACKO AND LEFT TURN VIA TRACK 010.84 TO WHISK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 265.00 INBOUND. CHART FAS OBST: 950 ASR 445325N/0931350W CHART FAS OBST: 1191 TOWER 445647N/0931925W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.89 MILES TO RW12L *LNAV ONLY. WAAS CHANNEL # 45525 REFERENCE PATH ID: W12B			
UBTYA (IF)	WASHY (FB)	119.11 / 8.88	3000				
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 UBTYA 3. FAC: <u>119.24</u> FAF: <u>WASHY</u> DIST FAF TO MAP: <u>6.51</u> THLD: <u>6.51</u> 4. MIN. ALT: <u>UBTYA 4000**</u> , <u>WASHY 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>WASHY 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.0</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW12L 3500</u>				MAG VAR: 2E EPOCH YEAR: 1995			
MINIMUMS							
TAKEOFF:	STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @	
CATEGORY ==>	A			B			C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LPV DA	1039	2400	200	1039	2400	200	1039
LNAV/VNAV DA	1248	5000	409	1248	5000	409	1248
LNAV MDA	1520	2400	681	1520	2400	681	1520
CIRCLING	1520	1	679	1520	1	679	1520
NOTES: CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO 1 1/2 MILE AND LNAV CAT E VISIBILITY TO 2 1/2 MILE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10							
CITY AND STATE		ELEVATION: 841 TDZE: 839		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
MINNEAPOLIS, MN		AIRPORT NAME:		RNAV (GPS) RWY 12L, AMDT 2, 02/11/2010		11 FEB 2010	
		MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				SUP: 1	
						DATED 09/29/2005	

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

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NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

**3000 WHEN ASSIGNED BY ATC

QUALITY
2
RECORD

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 839 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12L, AMDT 2, 02/11/2010 11 FEB 2010	SUP: AMDT: 1 DATED: 09/29/2005
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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

Bearings, headings, courses, and radials are magnetic. Elevations 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	KMSP
RUNWAY	RW12L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W12B
REFERENCE PATH IDENTIFIER (APPROACH ID)	445334.6200N
LTP/FTP LATITUDE	0931315.5500W
LTP/FTP LONGITUDE	+02285
LTP/FTP ELLIPSOIDAL HEIGHT	445252.5100N
FPAP LATITUDE	0931138.2700W
FPAP LONGITUDE	00052.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	80.25
COURSE WIDTH AT THRESHOLD	0000
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	35.0
VERTICAL ALERT LIMIT (VAL)	
<u>CRC REMAINDER</u>	5EB6684E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02556
FPAP ORTHOMETRIC HEIGHT	+02556

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 839 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12L, AMDT 2, 02/11/2010 11 FEB 2010	SUP: AMDT: 1 DATED: 09/29/2005
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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 PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	FUDGE K30	C	L	N45040327W093345181					NAR	FUDGE			
SUSAEENRT	JACKO K30	C		N44492893W093034914					NAR	JACKO			
SUSAEENRT	UBTYA K30	C		N45013305W093314729					NAR	UBTYA			
SUSAEENRT	WASHY K30	C		N44565732W093210509					NAR	WASHY			
SUSAEENRT	WHISK K30	C	L	N45082357W092574372					NAR	WHISK			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMSPK3AMSP	0	110YHN44525504W093131836E002000841					1800018000C	MNAR	MINNEAPOLIS-ST PAUL INTL/WOLD-			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMSPK3FR12L	AFUDGE	010FUDGEK3EA0E	A	IF					18000		A JS	
SUSAP	KMSPK3FR12L	AFUDGE	020UBTYAK3EA0EE	B	010TF		13690033	+ 04000				A JS	
SUSAP	KMSPK3FR12L	R	010UBTYAK3EA0E	I	IF			+ 04000		18000		A JS	
SUSAP	KMSPK3FR12L	R	020WASHYK3EA1E	F	051TF		11910089	+ 03000			RW12L K3PGA	JS	
SUSAP	KMSPK3FR12L	R	020WASHYK3EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KMSPK3FR12L	R	030RW12LK3PG0GY	M	031TF		11920065	00891		-300		A JS	
SUSAP	KMSPK3FR12L	R	040	0	M 010CA		1192	+ 01039				A JS	
SUSAP	KMSPK3FR12L	R	050JACKOK3EA0E		010DF							A JS	
SUSAP	KMSPK3FR12L	R	060WHISKK3EA0EY		L010TFY		0108	+ 04000				A JS	
SUSAP	KMSPK3FR12L	R	070WHISKK3EA0EE		R020HM		26500040	+ 04000				A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMSPK3GRW12L	0082001193	N44533462W093131555-0200					+0228500839000064150I					

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMSPK3PR12L	RW12L001	0000W12BON4453346200W09313155500+022850300N4452525100W09311382700080250000000520F4003505EB6684E										
SUSAP	KMSPK3PR12L	RW12L002E	+02556+02556LPV		45525								

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 839	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12L, AMDT 2, 02/11/2010 11 FEB 2010	SUP:
	AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN			AMDT: 1
				DATED: 09/29/2005

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	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KMSPK3SRW12LK3PG					0	18018003525						M	

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 841 TDZE: 839

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12L, AMDT 2, 02/11/2010

11 FEB 2010

SUP:

AMDT: 1

DATED: 09/29/2005

U.S. Department of Transportation Federal Aviation Administration		COPTER - STANDARD INSTRUMENT APPROACH PROCEDURE 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.										
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: 3E		EPOCH YEAR: 1985									
MINIMUMS															
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 CANCELLED EFFECTIVE 11 FEB 2010															
CITY AND STATE		ELEVATION: 705 TDZE: 704		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
ST. PAUL, MN		ST. PAUL DOWNTOWN HOLMAN FIELD		I-BAO		COPTER ILS OR LOC RWY 32, ORIG-A 09/25/2008				AMDT: ORIG					
										DATE 06/15/2000					



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		ILS: DA LOC: 6.91 MILES AFTER HILZZ INT/7.98 DME OR AT I-VKG 1.07 DME FIX CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 350 AND VIA FCM VOR/DME R-046 TO WHISK INT/GEP 17.46 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 350 AND VIA MSP VOR/DME R-037 TO WHISK INT/GEP 17.46 DME AND HOLD NE, RT, 216.55 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, RT, 265.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE WHISK INT/17.46 DME, RT, 216.55 INBOUND. CHART FAS OBST: 962 TWR 445753N/0930523W FAS OBST: 1209 AAO 445955N/0930816W CHART 770 TREE 445643N/0930414W.							
GEP VORTAC (IAF) ARDNN/I-VKG 11.96 DME		ARDNN/I-VKG 11.96 DME HILZZ INT/I-VKG 7.98 DME		109.44 / 7.66 143.04 / 3.99				3000 3000									
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT ARDNN/I-VKG 11.96 DME 3. FAC: 143.04 FAF: HILZZ INT/I-VKG 7.98 DME DIST FAF TO MAP: 6.91 THLD: 6.91 4. MIN. ALT: ARDNN 3000, HILZZ 3000, JEDEN INT/I-VKG 3.47 DME/RADAR 1520', 1360 5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1010 6. MIN GS INCPT: 3000 GS ALT AT: HILZZ INT/I-VKG 7.98 DME 3000 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 53.0 8. MSA FROM: GEP VORTAC 3500										MAG VAR: 3E EPOCH YEAR: 1985							
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: #		LOC: STANDARD @			
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 14	955	4000	250	955	4000	250	955	4000	250	955	4000	250					
S-LOC 14	1520	4000	815	1520	4000	815	1520	2	815	1520	2 1/4	815					
CIRCLING	1580	1	875	1580	1 1/4	875	1580	2 1/2	875	1580	2 3/4	875					
JEDEN FIX MINIMUMS																	
S-LOC 14	1360	4000	655	1360	4000	655	1360	6000	655	1360	1 1/2	655					
CIRCLING	1580	1	875	1580	1 1/4	875	1580	2 1/2	875	1580	2 3/4	875					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH ST. PAUL ALTIMETER SETTING. SEE 8260-10																	
CITY AND STATE ST PAUL, MN				ELEVATION: 705 TDZE: 705 AIRPORT NAME: ST PAUL DOWNTOWN HOLMAN FLD				FACILITY IDENTIFIER: I-VKG		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 14, AMDT 1, 02/11/2010 11 FEB 2010				SUP: AMDT: ORIG-B DATED 09/25/2008			

CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4
 @ CAT A 900-2
 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.



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 NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 14.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC-14 CAT A AND B VISIBILITY TO RVR 5000.

JEDEN FIX MINIMUMS: INCREASE S-LOC-14 CAT A AND B VISIBILITY TO RVR 5000.

QUALITY
5
CHECKED

CITY AND STATE

ST PAUL, MN

ELEVATION: 705

TDZE: 705

AIRPORT NAME:

ST PAUL DOWNTOWN HOLMAN FLD

FACILITY
IDENTIFIER:

I-VKG

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 14, AMDT 1, 02/11/2010

11 FEB 2010

SUP:

AMDT: ORIG-B

DATED: 09/25/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE	ALTITUDE						
KIKKY INT/I-BAO 11.25 DME/RADAR (IF/IAF)	BABCO LOM/I-BAO 6.25 DME/RADAR	323.04 / 5.00 (I-BAO)	2500	ILS: DA LOC: 5.18 MILES AFTER BABCO LOM/I-BAO 6.25 DME/RADAR OR AT I-BAO 1.07 DME FIX CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 010 AND MSP R-037 TO WHISK INT/MSP 18.70 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 010 AND VIA FGT VORTAC R-011 TO WHISK INT/FGT 31.95 DME AND HOLD N, RT, 191.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 216.55 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N WHISK INT, RT, 191.00 INBOUND. CHART FAS OBST: 910 T-L TWR 445301N/0930106W CHART FAS OBST: 1179 AAO 445203N/0925908W 1209 AAO 445153N/0925845W CHART IN PLANVIEW: WHISK INT.					
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 KIKKY 3. FAC: <u>323.04</u> FAF: <u>BABCO LOM/I-BAO 6.25 DME/RADAR</u> DIST FAF TO MAP: <u>5.18</u> THLD: <u>5.18</u> 4. MIN. ALT: <u>KIKKY 2500, HOVIN INT/I-BAO 3.19 DME 1440</u> *LOC ONLY 5. DIST TO THLD FROM OM: <u>5.18</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>793</u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>GS INTCP 2500</u> OM: <u>2414</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.2</u> 8. MSA FROM: <u>BA LOM 270-090 3500, 090-270 2800</u>				MAG VAR: 3E EPOCH YEAR: 1990					
MINIMUMS									
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	ILS: #	LOC: @			
CATEGORY ==>	A		B		C		D		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	
S-ILS 32	954	5000	250	954	5000	250	954	5000	
S-LOC 32	1440	5000	736	1440	5000	736	1440	2 1/4	
CIRCLING	1580	1	875	1580	1 1/4	875	1580	2 3/4	
HOVIN FIX MINIMUMS									
S-LOC 32	1280	5000	576	1280	5000	576	1280	1 3/4	
CIRCLING	1580	1	875	1580	1 1/4	875	1580	2 3/4	
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: RADAR REQUIRED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH ST. PAUL MUNI ALTIMETER SETTING. CHART NOTE: RADAR OR DME REQUIRED.									
CITY AND STATE ST PAUL, MN				ELEVATION: 705 TDZE: 704 AIRPORT NAME: ST PAUL DOWNTOWN HOLMAN FLD		FACILITY IDENTIFIER: I-BAO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32, AMDT 5, 02/11/2010 11 FEB 2010	
						SUP: AMDT: 4B DATED 09/25/2008		# CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4 @ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.	

QUALITY
5
CHECKED

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 4L, STANDARD WITH MINIMUM CLIMB OF 383 FT PER NM TO 2500.
RWY 4R, STANDARD WITH MINIMUM CLIMB OF 375 FT PER NM TO 2500.
RWY 11, STANDARD WITH MINIMUM CLIMB OF 361 FT PER NM TO 2500.
RWY 22L, STANDARD WITH MINIMUM CLIMB OF 337 FT PER NM TO 2500.
RWY 22R, STANDARD WITH MINIMUM CLIMB OF 331 FT PER NM TO 2500.
RWY 29, 400-2 OR STANDARD WITH MINIMUM CLIMB OF 444 FT PER NM TO 500.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 4R - CLIMB HEADING 039 TO 500 BEFORE TURNING RIGHT.
RWY 22L - CLIMB HEADING 219 TO 500 BEFORE TURNING LEFT.
RWY 29 - CLIMB HEADING 288 TO 800 BEFORE TURNING EASTBOUND.

(3) TAKEOFF OBSTACLE NOTES:

NOTE RWY 4L: TOWER, LIGHT, AND MULTIPLE TREES BEGINNING 211' FROM DER, 198' LEFT OF CENTERLINE, UP TO 70' AGL/89' MSL. DME ANTENNA AND POLE BEGINNING 881' FROM DER, 418' RIGHT OF CENTERLINE, UP TO 121' AGL/131' MSL.
NOTE RWY 4R: DME ANTENNA, TREE, AND MULTIPLE TOWERS BEGINNING 530' FROM DER, 477' LEFT OF CENTERLINE, UP TO 61' AGL/82' MSL. TOWER, SIGN, TREE, MULTIPLE BUILDINGS AND POLES BEGINNING 1,134' FROM DER, 153' RIGHT OF CENTERLINE, UP TO 121' AGL/131' MSL.
NOTE RWY 11: POLE, TREE, AND MULTIPLE SIGNS BEGINNING 6' FROM DER, 158' RIGHT OF CENTERLINE, UP TO 31' AGL/50' MSL. SIGN, TREE, ROAD, FENCE, BUILDING, AND MULTIPLE POLES BEGINNING 82' FROM DER, 2' LEFT OF CENTERLINE, (CONTINUED ON PAGE 2)

(4) CONTROLLING OBSTACLES:

RWY 4L: 598 MSL BLDG 404412.00N/0741015.00W, 1,806 MSL BLDG 404246.75N/0740047.27W.
RWY 4R: 598 MSL BLDG 404412.00N/0741015.00W, 1,806 MSL BLDG 404246.75N/0740047.27W, 410 MSL CRANE 404106.56N/0740925.42W.
RWY 22L: 410 MSL CRANE 404106.56N/0740925.42W, 1,806 MSL BLDG 404246.75N/0740047.27W.
RWY 11/22R/29: 1,806 MSL BLDG 404246.75N/0740047.27W

(5) City, State

NEWARK, NJ

(6) Airport

NEWARK LIBERTY INTL

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

5

QUALITY
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 (CONTINUED): UP TO 49' AGL/68' MSL.

NOTE: RWY 22L, POLE 8' FROM DER, 261' LEFT OF CENTERLINE, 7' AGL/16' MSL.

NOTE: RWY 22R, LIGHT AND MULTIPLE TREES BEGINNING 1,829' FROM DER, 307' RIGHT OF CENTERLINE, UP TO 55' AGL/69' MSL. BUILDING 1.4 NM FROM DER, 1,872' LEFT OF CENTERLINE, 200' AGL/227' MSL.

NOTE: RWY 29, MULTIPLE POLES, TREES, SIGNS, AND BUILDINGS BEGINNING 209' FROM DER, 242' LEFT OF CENTERLINE, UP TO 110' AGL/120' MSL. TREE, MULTIPLE SIGNS AND POLES BEGINNING 689' FROM DER, 66' RIGHT OF CENTERLINE, UP TO 273' AGL/358' MSL. BUILDING 6,029' FROM DER, 1,624' RIGHT OF CENTERLINE, 273' AGL/357' MSL. BUILDING 1.5 NM FROM DER, 2,071' RIGHT OF CENTERLINE, 202' AGL/328' MSL.

QUALITY
3
CHECKED

City, State NEWARK, NJ		Airport NEWARK LIBERTY INTL		Effective Date 11 FEB 2010	Amdt. No. 5
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

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												
YUTUG (IAF)	WUSOB (NOPT) (FB)	070.35 / 5.00	4000	LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 3900 DIRECT SOCOP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 160.23 INBOUND. CHART FAS OBST: 1732 ROD ON OL DOME 421159N/0755905W CHART FAS OBST: 1615 TREE 421208N/0755811W DISTANCE TO THLD FROM 200 HAT: 0.59 NM. CHART VDP AT 1.28 MILES TO RW34* *LNAV ONLY. WAAS CHANNEL # 93915 REFERENCE PATH ID: W34A											
ZUNGA (IAF)	WUSOB (NOPT) (FB)	250.47 / 5.00	4000												
WUSOB (IF/IAF)	WALUB (FB)	340.41 / 6.10	3900												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S WUSOB, RT, 340.41 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>340.37</u> FAF: <u>WALUB</u> DIST FAF TO MAP: <u>7.04</u> THLD: <u>7.04</u> 4. MIN. ALT: <u>WUSOB 4000, WALUB 3900</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>3900</u> GS ALT AT: <u>WALUB</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.2</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 12W EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @										
CATEGORY ==>	A		B		C		D	E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1800	2400	200	1800	2400	200	1800	2400	200	1800	2400	200			
LNAV/VNAV DA	2082	6000	482	2082	6000	482	2082	6000	482	2082	6000	482			
LNAV MDA	2040	2400	440	2040	2400	440	2040	4000	440	2040	5000	440			
CIRCLING	2120	1	484	2120	1	484	2120	1 1/2	484	2200	2	564			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 46C (114F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ITHACA ALTIMETER SETTING AND INCREASE SEE 8260-10															
CITY AND STATE		ELEVATION: 1636 TDZE: 1600		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
BINGHAMTON, NY		AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD				RNAV (GPS) RWY 34, AMDT 1		AMDT: ORIG							
						11 FEB 2010		DATED 08/05/2004							

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

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NOTES CONT.

ALL DA 138 FEET AND ALL MDA 140 FEET, INCREASE LPV ALL CATS, LNAV CATS C AND D AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE, AND LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ITHACA ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO RVR 6000.

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

TAA

	FROM	TO	ALT
1.	250/30 CW 353/30 (NOPT)	250/14 CW 353/14	5000
2.	353/30 CW 070/30 (NOPT)	353/14 CW 070/14	4600
	250/14 CW 070/14	WUSOB (IF/IAF) (FB)	4000
3.	070/30 CW 160/30	YUTUG (IAF) (FB)	4700
4.	160/30 CW 250/30	ZUNGA (IAF) (FB)	4500

CITY AND STATE

BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1600

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/05/2004

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 KBGM
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34A
LTP/FTP LATITUDE 421208.7690N
LTP/FTP LONGITUDE 0755822.3695W
LTP/FTP ELLIPSOIDAL HEIGHT +04459
FPAP LATITUDE 421309.2900N
FPAP LONGITUDE 0755912.6400W
THRESHOLD CROSSING HEIGHT (TCH) 00044.2
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

0BBC519F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +04784
FPAP ORTHOMETRIC HEIGHT +04784



CITY AND STATE

BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1600

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/05/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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	KBGMK6FR34	AWUSOB	010WUSOBK6EA0EE	AR	HF		34040040		+ 04000	18000		A	JS
SUSAP	KBGMK6FR34	AYUTUG	010YUTUGK6EA0E	A	IF					18000		A	JS
SUSAP	KBGMK6FR34	AYUTUG	020WUSOBK6EA0EE	B	010TF		07040050		+ 04000			A	JS
SUSAP	KBGMK6FR34	AZUNGA	010ZUNGAK6EA0E	A	IF					18000		A	JS
SUSAP	KBGMK6FR34	AZUNGA	020WUSOBK6EA0EE	B	010TF		25050050		+ 04000			A	JS
SUSAP	KBGMK6FR34	R	010WUSOBK6EA0E	I	IF				+ 04000	18000		A	JS
SUSAP	KBGMK6FR34	R	020WALUBK6EA1E	F	051TF		34040061		+ 03900			A	JS
SUSAP	KBGMK6FR34	R	020WALUBK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KBGMK6FR34	R	030RW34	K6PG0GY	M	031TF		34040070		01614	-300	A	JS
SUSAP	KBGMK6FR34	R	040SOCOPK6EA0EYM		010DF				+ 03900			A	JS
SUSAP	KBGMK6FR34	R	050SOCOPK6EA0EE		R020HM		16020040		+ 03900			A	JS

[illegible][illegible]

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1600 AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 34, AMDT 1	AMDT: ORIG
			11 FEB 2010	DATED: 08/05/2004

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	LNAV: RW09 CLIMBING RIGHT TURN TO 2600 DIRECT KADBY AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 789 TREE 411933N/0831157W CHART: 927 TOWER 412027N/0831627W FALWA TO RW09: 3.05/40.											
HALOK (IAF)	KADBY (NOPT) (FB)	185.09 / 6.83	2600												
TUMAY (IAF)	KADBY (NOPT) (FB)	005.09 / 7.04	2600												
KADBY (IF/IAF)	FALWA (FB)	095.09 / 7.32	2400												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W KADBY, RT, 095.09 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>095.19</u> FAF: <u>FALWA</u> DIST FAF TO MAP: <u>5.28</u> THLD: <u>5.28</u> 4. MIN. ALT: KADBY 2600, FALWA 2400 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: RW09 3100				MAG VAR: 5W EPOCH YEAR: 1985											
MINIMUMS															
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
LNAV MDA	1080	1	417	1080	1	417	1080	1 1/4	417	1080	1 1/4	417			
CIRCLING	1200	1	537	1200	1	537	1200	1 1/2	537	1220	2	557			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TUMAY VIA V45-493 SOUTHEAST BOUND. CHART NOTE: USE SANDUSKY COUNTY REGIONAL ALTIMETER SETTING; WHEN NOT RECEIVED USE METCALF FIELD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT D VISIBILITY 1/4 MILE.															
CITY AND STATE		ELEVATION: 663 TDZE: 663		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
FREMONT, OH		AIRPORT NAME: FREMONT				RNAV (GPS) RWY 9, ORIG-A				AMDT: ORIG					
						11 FEB 2010				DATED 10/22/2009					

QUALITY
1
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][illegible][illegible]

QUALITY
1
CHECKED

CITY AND STATE FREMONT, OH	ELEVATION: 663 TDZE: 663 AIRPORT NAME: FREMONT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG-A 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 10/22/2009

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
	HALOK	HALOK	010	IAF	IF		FB				
	HALOK	KADBY	020	IF	TF		FB	1.0	185.1 (180T)	006.8	02600
	KADBY	KADBY	010	IAF	HF	R	FO		095.1 (090T)	004.0	02600
	TUMAY	TUMAY	010	IAF	IF		FB				
	TUMAY	KADBY	020	IF	TF		FB	1.0	005.1 (360T)	007.0	02600
		KADBY	010	FACF	IF		FB				02600
		FALWA	020	FAF	TF		FB	0.5	095.1 (090T)	007.3	02400
		RW09	030	MAP	TF		FO	0.3	095.2 (090T)	005.3	00693

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	095.2 (090T)		01063
	KADBY	050		DF	R	FO	1.0			02600
	KADBY	060		HM	R	FO	2.0	095.1 (090T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FALWA	N412004.49	W0831701.76	N4120.075	W08317.029
	HALOK	N412655.73	W0832643.97	N4126.929	W08326.733
	KADBY	N412005.56	W0832644.83	N4120.093	W08326.747
	TUMAY	N411303.07	W0832645.71	N4113.051	W08326.762
	RW09	N412003.21	W0831001.03	N4120.054	W08310.017

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW09	00653		40

QUALITY
1
CHECKED

CITY AND STATE FREMONT, OH	ELEVATION: 663 TDZE: 663 AIRPORT NAME: FREMONT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG-A 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 10/22/2009

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 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING 103' FROM DER, 52' LEFT OF CENTERLINE, UP TO 100' AGL/249' MSL. VEHICLES ON ROADWAY BEGINNING 286' FROM DER, 174' LEFT OF CENTERLINE, UP TO 15' AGL/174' MSL. TREES BEGINNING 416' FROM DER, 355' RIGHT OF CENTERLINE, UP TO 100' AGL/239' MSL.

NOTE: RWY 35, TREES BEGINNING 10' FROM DER, 437' RIGHT OF CENTERLINE, UP TO 100' AGL/269' MSL. TREES BEGINNING 52' FROM DER, 503' LEFT OF CENTERLINE, UP TO 100' AGL/269' MSL. TREES BEGINNING 780' FROM DER, 308' RIGHT OF CENTERLINE, UP TO 100' AGL/279' MSL. TREES BEGINNING 2557' FROM DER, 117' LEFT OF CENTERLINE, UP TO 100' AGL/289' MSL.

(4) CONTROLLING OBSTACLES:



(5) City, State

ALLENDALE, SC

(6) Airport

ALLENDALE COUNTY

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:
RWY 04, 22 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:
RWY 04 - CLIMB HEADING 038.21 TO 2500 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:
NOTE: RWY 04, TREE 1422 FEET FROM DER, 832 FEET RIGHT OF CENTERLINE, 100 FEET AGL/1001 FEET MSL. TREE 1454 FEET FROM DER, 146 FEET LEFT OF CENTERLINE, 78 FEET AGL/1023 FEET MSL.

(4) CONTROLLING OBSTACLES:
RWY 04: 3671 MSL TOWER 351012.00N-0821726.00W, 3468 MSL TOWER 351011.00N-0821726.00W

(5) City, State GREER, SC	(6) Airport GREENVILLE-SPARTANBURG INTL-ROGER MILLIKEN	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 1
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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.

1. PT	NA	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT BYP VORTAC					
3. FAC	213.86	FAF BIRRD/BYP 21.90 DME	DIST FAF TO MAP		-	THLD
4. MIN. ALT	BYP VORTAC 2500, REDGE 2500, BIRRD 2400					
8. MSA FROM:	BYP VORTAC 190-280 3800, 280-190 2400 (29 NM)					
						MAG VAR: 6E
						EPOCH YEAR: 1995

[illegible]

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BYP VORTAC AIRWAY RADIALS 173 CW 264.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DALLAS LOVE FIELD ALTIMETER SETTING AND
INCREASE ALL MDA 80 FEET AND CATS C AND D VISIBILITY 1/4 MILE.**

6

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

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 19, STANDARD.

RWY 1, STANDARD WITH MINIMUM CLIMB OF 742 FEET PER NM TO 6600, OR 1100-3 WITH MINIMUM CLIMB OF 535 FEET PER NM TO 6900, OR 2400-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 19 - CLIMB HEADING 171 TO 6800 BEFORE TURNING.

RWY 1 - CLIMB HEADING 005.93 TO 6100 BEFORE TURNING, OR FOR CLIMB IN VISUAL CONDITIONS, CROSS KANAB MUNICIPAL AIRPORT AT OR ABOVE 7100 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, VENT ON BLDG 554' FROM DER, 370' LEFT OF CENTERLINE, 16' AGL/4884' MSL. TREES BEGINNING 1138' FROM DER, 302' LEFT OF CENTERLINE, UP TO 100' AGL/5939' MSL. RISING TERRAIN AND TREES BEGINNING 1.68NM FROM DER, 247' RIGHT OF CENTERLINE, UP TO 100' AGL/5239' MSL. RISING TERRAIN AND TREES BEGINNING 1.76NM FROM DER, 766' LEFT OF CENTERLINE, UP TO 100' AGL/5599' MSL. RISING TERRAIN BEGINNING 3.5 NM FROM DER. LEFT AND RIGHT OF CENTERLINE, UP TO 6359' MSL.

NOTE: RWY 19, TREES BEGINNING 271' FROM DER, 506' RIGHT OF CENTERLINE, UP TO 100' AGL/4899' MSL.

(4) CONTROLLING OBSTACLES:

RWY 1: 5939' TREE 370255.54N/1123056.38W. 6359' MSL AAO 370404.83N/1122852.50W. 6022' MSL TREE 370247.32N/1122906.43W. 5909' MSL TREE 370341.26W/1123107.68W. 5950' MSL TREE 370314.71N/1123017.13W.

RWY 19: 7279' MSL AAO 365953.94N/1124147.14W.

VCOA: 6535' AAO 370159.38N/1123722.62W. 7279' MSL AAO 365953.94N/11241.47.14W.



(5) City, State KANAB, UT	(6) Airport KANAB MUNI	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 3
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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	LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 3000 DIRECT COPIV AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 224.79 INBOUND. CHART FAS OBST: 1022 WATER TWR 443622N/0884545W DISTANCE TO THLD FROM 357 HAT: 0.99 NM. WAAS CHANNEL # 86516 REFERENCE PATH ID: W04A								
BIPID	HIDEV (FO)	207.86 / 5.10	3000									
EYITI (IAF)	HIDEV (NOPT) (FB)	320.25 / 10.62	3000									
IPUCO (IAF)	HIDEV (NOPT) (FB)	134.47 / 6.65	3000									
HIDEV (IF/IAF)	ARNDT (FB)	044.55 / 6.04	2500									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW HIDEV, RT, 044.55 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 044.61 FAF: ARNDT DIST FAF TO MAP: 5.07 THLD: 5.07 4. MIN. ALT: HIDEV 3000, ARNDT 2500, VUPLE/2.00 NM TO RW04 1480* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: ARNDT OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW04 2900				MAG VAR: 2W EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1179	1 1/4	357	1179	1 1/4	357		NA			NA	
LNAV/VNAV DA	1366	2	544	1366	2	544		NA				
LNAV MDA	1260	1	438	1260	1	438		NA				
CIRCLING	1340	1	518	1340	1	518	1340	1 1/2	518		NA	
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GREEN BAY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 822 TDZE: 822		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
CLINTONVILLE, WI		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 4, AMDT 1			AMDT: ORIG			
		CLINTONVILLE MUNI				11 FEB 2010			DATED 03/15/2007			

 QUALITY
4
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: CIRCLING TO RWY 4-22 NA FOR CAT C.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREEN BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET. INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.

QUALITY
CHECKED

CITY AND STATE

CLINTONVILLE, WI

ELEVATION: 822 TDZE: 822

AIRPORT NAME:

CLINTONVILLE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

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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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLI
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	443639.3330N
LTP/FTP LONGITUDE	0884402.5130W
LTP/FTP ELLIPSOIDAL HEIGHT	+02144
FPAP LATITUDE	443744.8300N
FPAP LONGITUDE	0884237.9500W
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	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER A82D3CD6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02506
FPAP ORTHOMETRIC HEIGHT	+02506

QUALITY
4
CHECKED

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 822 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCLIK5FR04	ABIPID	010BIPIDK5EA0E	IF						18000		A	JS	
SUSAP KCLIK5FR04	ABIPID	020HIDEVK5EA0EY	020TF			20790051		+ 03000			A	JS	
SUSAP KCLIK5FR04	ABIPID	030HIDEVK5EA0EE	AR HF			04460040		+ 03000			A	JS	
SUSAP KCLIK5FR04	AEYITI	010EYITIK5EA0E	A IF						18000		A	JS	
SUSAP KCLIK5FR04	AEYITI	020HIDEVK5EA0EE	B 010TF			32030106		+ 03000			A	JS	
SUSAP KCLIK5FR04	AIPUCO	010IPUCOK5EA0E	A IF						18000		A	JS	
SUSAP KCLIK5FR04	AIPUCO	020HIDEVK5EA0EE	B 010TF			13450067		+ 03000			A	JS	
SUSAP KCLIK5FR04	R	010HIDEVK5EA0E	I IF					+ 03000	18000		A	JS	
SUSAP KCLIK5FR04	R	020ARNDTK5EALE	F 051TF			04460060		+ 02500			RW04	K5PGA	JS
SUSAP KCLIK5FR04	R	020ARNDTK5EA2WALPV		ALNAV/VNAV	ALNAV								JS
SUSAP KCLIK5FR04	R	021VUPLEK5EA0E	S 031TF			04460031	V	0148001503		-300	A	JS	
SUSAP KCLIK5FR04	R	030RW04	K5PGOGY M 031TF			04460020		00862		-300	A	JS	
SUSAP KCLIK5FR04	R	040	0 M 010CA			0446		+ 01179			A	JS	
SUSAP KCLIK5FR04	R	050COPUVK5EA0EY	010DF					+ 03000			A	JS	
SUSAP KCLIK5FR04	R	060COPUVK5EA0EE	R020HM			22480040		+ 03000			A	JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 822 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				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
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KCLIK5PR04 RW04 001 0000W04A0N4436393330W08844025130+021440300N4437448300W08842379500106751744000400F400500A82D3CD6												
	SUSAP KCLIK5PR04 RW04 002E +02506+02506LPV 86516												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KCLIK5SRW04 K5PG 0 18018002925 M												

QUALITY
6
CHECKED

CITY AND STATE
CLINTONVILLE, WI

ELEVATION: 822 TDZE: 822
 AIRPORT NAME:
 CLINTONVILLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 4, AMDT 1
 11 FEB 2010

SUP:
 AMDT: ORIG
 DATED: 03/15/2007

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.								
TERMINAL ROUTES								MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW14 CLIMB TO 3000 DIRECT GIGKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 319.09 INBOUND. CHART FAS OBST: 978 ANT 443757N/0884447W CHART FAS OBST: 1009 TREE 443813N/0884613W CHART 1294 TOWER 444027N/0884854W. DISTANCE TO THLD FROM 303 HAT: 0.83 NM. WAAS CHANNEL # 42816 REFERENCE PATH ID: W14A				
STE VORTAC		HURER (FB)		069.43 / 24.42		3000						
BIPID		HURER (FB)		326.70 / 10.82		3000						
HURER (IAF)		ICOSI (NOPT) (FB)		048.77 / 5.00		3000						
JEVBI (IAF)		ICOSI (NOPT) (FB)		229.01 / 16.31		3000						
ICOSI (IF/IAF)		COKVO (FB)		138.83 / 6.50		2400						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW ICOSI, RT, 138.83 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 138.91 FAF: COKVO _____ DIST FAF TO MAP: 4.78 THLD: 4.78 4. MIN. ALT: ICOSI 3000, COKVO 2400, FIMAV/2.30 NM TO RW14 1580" 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2400 GS ALT AT: COKVO _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW14 2900								MAG VAR: 2W EPOCH YEAR: 1995				
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
LPV DA	1122	1	303	1122	1	303	1122	1	303	NA		
LNAV/VNAV DA	1289	1 3/4	470	1289	1 3/4	470	1289	1 3/4	470	NA		
LNAV MDA	1260	1	441	1260	1	441	1260	1 1/4	441	NA		
CIRCLING	1340	1	518	1340	1	518	1340	1 1/2	518	NA		
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GREEN BAY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 822 TDZE: 819		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
CLINTONVILLE, WI		AIRPORT NAME:				RNAV (GPS) RWY 14, AMDT 1		AMDT: ORIG				
		CLINTONVILLE MUNI				11 FEB 2010		DATED 03/15/2007				

 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BIPID VIA V191 SOUTHEAST BOUND.*****LNAV ONLY****CHART NOTE: CIRCLING TO RWY 4-22 NA FOR CAT C.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREEN BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.**

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 819 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				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.

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KCLI
RUNWAY RW14
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W14A
LTP/FTP LATITUDE 443704.9070N
LTP/FTP LONGITUDE 0884417.7310W
LTP/FTP ELLIPSOIDAL HEIGHT +02132
FPAP LATITUDE 443559.7800N
FPAP LONGITUDE 0884252.6200W
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 1352
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

C6FC6CCE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02495
FPAP ORTHOMETRIC HEIGHT +02495

CITY AND STATE
CLINTONVILLE, WI

ELEVATION: 822 TDZE: 819
AIRPORT NAME:
CLINTONVILLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
11 FEB 2010

SUP:
AMDT: ORIG
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 KCLIK5FR14	ABIPID	010BIPIDK5EA0E	IF						18000			A JS	
SUSAP KCLIK5FR14	ABIPID	020HURERK5EA0E	A 020TF			32670108	+ 03000					A JS	
SUSAP KCLIK5FR14	ABIPID	030ICOSIK5EA0EE	B 010TF			04880050	+ 03000					A JS	
SUSAP KCLIK5FR14	AICOSI	010ICOSIK5EA0EE	AR HF			13880040	+ 03000		18000			A JS	
SUSAP KCLIK5FR14	AJEVBI	010JEVBIK5EA0E	A IF						18000			A JS	
SUSAP KCLIK5FR14	AJEVBI	020ICOSIK5EA0EE	B 010TF			22900163	+ 03000					A JS	
SUSAP KCLIK5FR14	ASTE	010STE K5D 0V	IF						18000			A JS	
SUSAP KCLIK5FR14	ASTE	020HURERK5EA0E	A 020TF			06940244	+ 03000					A JS	
SUSAP KCLIK5FR14	ASTE	030ICOSIK5EA0EE	B 010TF			04880050	+ 03000					A JS	
SUSAP KCLIK5FR14	R	010ICOSIK5EA0E	I IF				+ 03000		18000			A JS	
SUSAP KCLIK5FR14	R	020COKVOK5EA1E	F 051TF			13880065	+ 02400				RW14 K5PGA	JS	
SUSAP KCLIK5FR14	R	020COKVOK5EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KCLIK5FR14	R	021FIMAVK5EA0E	S 031TF			13890025	V 0158001596		-300			A JS	
SUSAP KCLIK5FR14	R	030RW14 K5PGGY	M 031TF			13890023	00859		-300			A JS	
SUSAP KCLIK5FR14	R	040	0 M 010CA			1389	+ 01122					A JS	

QUALITY
CHECKED

SUP:	
AMDT:	ORIG
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.

SUSAP KCLIK5FR14	R	050GIGKEK5EA0EY	010DF		+ 03000	A JS
SUSAP KCLIK5FR14	R	060GIGKEK5EA0EE	R020HM	31910040	+ 03000	A JS

SUSAP KCLIK5GRW14 0046001390 N44370491W088441773-0100 +0213200819000040075R

SUSAP	KCLIK5PR14	RW14	001	0000W14A0N4437049070W08844177310+021320300N4435597800W08842526200106751352000400F400500C6FC6CCE
SUSAP	KCLIK5PR14	RW14	002E	+02495+02495LPV 42816

SUSAP KCLIK5SRW14 K5PG 0 18018002925 M

6
CHECKED

PAGE 5 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.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 3000 DIRECT HIDEV AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 044.55 INBOUND. CHART FAS OBST: 936 TREE 443652N/0884246W DISTANCE TO THLD FROM 362 HAT: 1.03 NM. WAAS CHANNEL # 40316 REFERENCE PATH ID: W22A								
CHURP		ICUKE (FB)		068.69 / 14.52			3000										
GRB VORTAC		HIVOG (FB)		308.67 / 14.31			3000										
HIVOG (IAF)		COPUV (NOPT) (FB)		314.85 / 5.00			3000										
ICUKE (IAF)		COPUV (NOPT) (FB)		134.73 / 5.00			3000										
COPUV (IF/IAF)		KANDD (FB)		224.79 / 6.05			2500										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE COPUV, RT, 224.79 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 224.73 FAF: KANDD DIST FAF TO MAP: 5.09 THLD: 5.09 4. MIN. ALT: COPUV 3000, KANDD 2500, FERVI/1.70 NM TO RW22 1400* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: KANDD OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW22 2900										MAG VAR: 2W		EPOCH YEAR: 1995					
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1183	1 1/4	362	1183	1 1/4	362		NA			NA						
LNAV/VNAV DA	1236	1 1/2	415	1236	1 1/2	415		NA			NA						
LNAV MDA	1220	1	399	1220	1	399		NA			NA						
CIRCLING		1340	1	518	1340	1	518	1340	1 1/2	518		NA					
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GREEN BAY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 822 TDZE: 821				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
CLINTONVILLE, WI				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 22, AMDT 1				AMDT: ORIG	
				CLINTONVILLE MUNI								11 FEB 2010				DATED 03/15/2007	

**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.***RNAV ONLY****CHART NOTE: CIRCLING TO RWY 4-22 NA FOR CAT C.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GRB VORTAC AIRWAY RADIALS 269 CW 002.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREEN BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET. INCREASE LPV AND RNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.**

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 821	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 11 FEB 2010	SUP:
	AIRPORT NAME: CLINTONVILLE MUNI			AMDT: ORIG
	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.

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KCLI
RUNWAY RW22
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W22A
LTP/FTP LATITUDE 443703.2780N
LTP/FTP LONGITUDE 0884331.5980W
LTP/FTP ELLIPSOIDAL HEIGHT +02107
FPAP LATITUDE 443557.7600N
FPAP LONGITUDE 0884456.1200W
THRESHOLD CROSSING HEIGHT (TCH) 00045.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1744
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AC307606

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02470
FPAP ORTHOMETRIC HEIGHT +02470

CITY AND STATE
CLINTONVILLE, WI

ELEVATION: 822 TDZE: 821
AIRPORT NAME:
CLINTONVILLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1
11 FEB 2010

SUP:
AMDT: ORIG
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]

QUALITY
6
CHECKED

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 821 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 11 FEB 2010	SUP:	
				AMDT:	ORIG
				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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCLIK5GRW22	0033002247 N44370328W088433160+0400 +0210700810000045100R												
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCLIK5PR22	RW22 001 0000W22A0N4437032780W08843315980+021070300N4435577600W08844561200106751744000450F400500AC307606												
SUSAP KCLIK5PR22	RW22 002E +02470+02470LPV 40316												
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCLIK5SRW22 K5PG	0 18018002925 M												

QUALITY
6
CHECKED

CITY AND STATE
CLINTONVILLE, WI

ELEVATION: 822 TDZE: 821
 AIRPORT NAME:
 CLINTONVILLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 22, AMDT 1
 11 FEB 2010

SUP:
 AMDT: ORIG
 DATED: 03/15/2007

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		LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 3000 DIRECT ICOSI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 138.83 INBOUND. CHART FAS OBST: 925 TREE 443545N/0884323W FAS OBST: 999 AAO 443347N/0883939W DISTANCE TO THLD FROM 323 HAT: 0.88 NM. WAAS CHANNEL # 87016 REFERENCE PATH ID: W32A							
STE VORTAC		EYITI (FB)		111.33 / 35.86				3000									
EYITI (IAF)		GIGKE (NOPT) (FB)		048.95 / 11.48				3000									
GRB VORTAC (IAF)		GIGKE (NOPT) (FB)		254.20 / 16.00				3000									
GIGKE (IF/IAF)		ONECO (FB)		319.09 / 6.05				2500									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE GIGKE, RT, 319.09 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 319.03 FAF: ONECO DIST FAF TO MAP: 5.08 THLD: 5.08 4. MIN. ALT: GIGKE 3000, ONECO 2500, AQETO/1.60 NM TO RW32 1380* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2500 GS ALT AT: ONECO OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW32 2900										MAG VAR: 2W		EPOCH YEAR: 1995					
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1141	1 1/4	323	1141	1 1/4	323	1141	1 1/4	323		NA						
LNAV/VNAV DA	1225	1 1/2	407	1225	1 1/2	407	1225	1 1/2	407		NA						
LNAV MDA	1200	1	382	1200	1	382	1200	1	382		NA						
CIRCLING	1340	1	518	1340	1	518	1340	1 1/2	518		NA						
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GREEN BAY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10																	
CITY AND STATE CLINTONVILLE, WI				ELEVATION: 822 TDZE: 818 AIRPORT NAME: CLINTONVILLE MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 11 FEB 2010				SUP: AMDT: ORIG DATED 03/15/2007			

**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 PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GRB VORTAC AIRWAY RADIALS 204 CW 286.

CHART NOTE: CIRCLING TO RWY 4-22 NA FOR CAT C.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREEN BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

QUALITY
CHECKED

CITY AND STATE

CLINTONVILLE, WI

ELEVATION: 822 TDZE: 818

AIRPORT NAME:

CLINTONVILLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

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.

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KCLI
RUNWAY RW32
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W32A
LTP/FTP LATITUDE 443631.7110N
LTP/FTP LONGITUDE 0884334.3280W
LTP/FTP ELLIPSOIDAL HEIGHT +02121
FPAP LATITUDE 443736.8300N
FPAP LONGITUDE 0884459.4700W
THRESHOLD CROSSING HEIGHT (TCH) 00045.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1352
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

0EBF2432

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02484
FPAP ORTHOMETRIC HEIGHT +02484

CITY AND STATE
CLINTONVILLE, WI

ELEVATION: 822 TDZE: 818
AIRPORT NAME:
CLINTONVILLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, AMDT 1
11 FEB 2010

SUP:
AMDT: ORIG
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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	GRB	K5011550VTHA	N44331858W088114148			N44331858W088114148E0010007672				NARGREEN BAY			
SUSAD	STE	K5011060VTLA	N44323569W089315002			N44323569W089315002W0010011101				NARSTEVENS POINT			

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCLIK5FR32	AGIGKE	010GIGKEK5EA0EE	AR	HF		31910040		+ 03000	18000			A JS	
SUSAP KCLIK5FR32	AGRB	010GRB K5D 0V	A	IF					18000			A JS	
SUSAP KCLIK5FR32	AGRB	020GIGKEK5EA0EE	B	010TF		25420160		+ 03000				A JS	
SUSAP KCLIK5FR32	ASTE	010STE K5D 0V		IF					18000			A JS	
SUSAP KCLIK5FR32	ASTE	020EYITIK5EA0E	A	020TF		11130359		+ 03000				A JS	
SUSAP KCLIK5FR32	ASTE	030GIGKEK5EA0EE	B	010TF		04900115		+ 03000				A JS	
SUSAP KCLIK5FR32	R	010GIGKEK5EA0E	I	IF				+ 03000	18000			A JS	
SUSAP KCLIK5FR32	R	020NECOK5EA1E	F	051TF		31910061		+ 02500			RW32	K5PGA	JS
SUSAP KCLIK5FR32	R	020NECOK5EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KCLIK5FR32	R	021AQETOK5EA0E	S	031TF		31900035		V 0136001372		-300		A JS	
SUSAP KCLIK5FR32	R	030RW32 K5PG0GY	M	031TF		31900016		00860		-300		A JS	
SUSAP KCLIK5FR32	R	040	0	M 010CA		3190		+ 01141				A JS	
SUSAP KCLIK5FR32	R	050ICOSIK5EA0EY		010DF				+ 03000				A JS	
SUSAP KCLIK5FR32	R	060ICOSIK5EA0EE		R020HM		13880040		+ 03000				A JS	

QUALITY
CHECKED

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 818 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				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.

SUSAP KCLIK5GRW32 0046003190 N44363171W088433433+0100 +0212100815000045075R

SUSAP KLICK5PR32 RW32 001 0000W32A0N4436317110W08843343280+021210300N4437368300W08844594700106751352000450F4005000EBF2432
SUSAP KLICK5PR32 RW32 002E +02484+02484LPV 87016

SUSAP KCLIK5SRW32 K5PG 0 18018002925 M

6
CHECKED

PAGE 5 OF 5 PAGES

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	ILS: DA LOC: 4.97 MILES AFTER BLUEF OM/BLF VORTAC 4.47 DME CLIMB TO 3800 THEN CLIMBING RIGHT TURN TO 6000 VIA HEADING 020 AND BLF VORTAC R-340 TO KEGLY INT/BLF 11.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 339.54 INBOUND. CHART FAS OBST: 2970 TREE 371859N/0811050W CHART BLF R-340 AT KEGLY. CHART BLF R-122 AT HECKE. CHART BKW 20.55 DME AT DROWE INT. CHART NOTE IN PLANVIEW: USE OF BKW R-175 AND BLF R-045 MAYBE NECESSARY TO LOCATE DROWE INTERSECTION.								
BKW VORTAC (IAF)	DROWE INT/BLF VORTAC 11.00 DME	175.00 / 20.55	5600									
ESTEM INT/BLF 16.56 DME (IAF)	DROWE INT/BLF VORTAC 11.00 DME	224.61 / 5.56 (BLD R-045)	5600									
KEGLY/BLF 11.00 DME CW (IAF)	DROWE INT/BLF VORTAC 11.00 DME	11.00 DME ARC (BLF LR-034)	5600									
HECKE/BLF 11.00 DME CCW (IAF)	DROWE INT/BLF VORTAC 11.00 DME	11.00 DME ARC (BLF LR-056)	5600									
DROWE INT/BLF VORTAC 11.00 DME (IF)	BLUEF OM/BLF VORTAC 4.47 DME	228.88 / 6.53 (I-BLF)	4600									
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 DROWE 3. FAC: <u>228.88</u> FAF: <u>BLUEF OM/BLF VORTAC 4.47 DME</u> DIST FAF TO MAP: <u>4.97</u> THLD: <u>4.97</u> 4. MIN. ALT: <u>DROWE 5600, DROWE 4600</u> 5. DIST TO THLD FROM OM: <u>4.97</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1127</u> 6. MIN GS INCPT: <u>4600</u> GS ALT AT: <u>GS INTCP 4600</u> OM: <u>4524</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.0</u> 8. MSA FROM: <u>BLF VORTAC 6000</u>				MAG VAR: 7W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	ILS: #	LOC: STANDARD @						
CATEGORY ==>	A			B		C		D		E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 23	3142	1	300	3142	1	300	3142	1	300	3142	1	300
S-LOC 23	3520	1	678	3520	1	678	3520	2	678	3520	2 1/4	678
CIRCLING	3520	1	663	3520	1	663	3560	2	703	3560	2 1/4	703
NOTES: CHART NOTE: CIRCLING NA SE OF RWY 5-23. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 3200 MSL. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BKW VORTAC VIA V258 NORTHWEST BOUND. SEE 8260-10												
CITY AND STATE BLUEFIELD, WV			ELEVATION: 2857 TDZE: 2842 AIRPORT NAME: MERCER COUNTY		FACILITY IDENTIFIER: I-BLF		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 23, AMDT 15 11 FEB 2010			SUP: ILS RWY 23		
										AMDT: 14E		
										DATED 03/30/1995		

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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE

S-ILS 23 DA TO 3585 FT AND ALL MDA TO 3980 FT; S-ILS 23 ALL CATS VISIBILITY 1 1/2 MILE, S-LOC 23 AND CIRCLING CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 MILE, CAT D 3/4 MILE.

CHECKED

CITY AND STATE

BLUEFIELD, WV

ELEVATION: 2857 TDZE: 2842

AIRPORT NAME:

MERCER COUNTY

FACILITY
IDENTIFIER:

I-BLF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 23, AMDT 15

11 FEB 2010

SUP: ILS RWY 23

AMDT: 14E

DATED: 03/30/1995

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		LNAV: JOSOM							
KENYA (IAF)		OTONE (FB)		147.96 / 7.12		6000		CLIMBING LEFT TURN TO 6000 DIRECT KENYA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.57 INBOUND. CHART FAS OBST: 3195 TREE 371655N/0811233W CHART 3819 TREE 371300N/0811233W. VOCUG TO RW05: 3.10/45. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.							
TELOC (IAF)		OTONE (FB)		031.81 / 6.16		6000									
OTONE (IF)		WABIS (FB)		092.91 / 3.50		5500									
WABIS		VOCUG (FB)		092.96 / 3.50		4700									
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 OTONE 3. FAC: <u>063.82</u> FAF: <u>VOCUG</u> DIST FAF TO MAP: <u>5.00</u> THLD: <u>5.48</u> 4. MIN. ALT: <u>OTONE 6000, WABIS 5500, VOCUG 4700, JUNAR/2.70 NM TO JOSOM 3940*</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>JOSOM 6000</u>								MAG VAR: <u>7W</u> EPOCH YEAR: <u>2010</u>							
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	3560	1	711	3560	1	711	3560	2	711	3560	2 1/4	711			
CIRCLING	3560	1	703	3560	1	703	3560	2	703	3560	2 1/4	703			
NOTES: CHART NOTE: CIRCLING NA SE OF RWY 5-23. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KENYA VIA V140 WESTBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 2857 TDZE: 2849		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BLUEFIELD, WV		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 5, ORIG				AMDT: NONE					
		MERCER COUNTY				11 FEB 2010				DATED					

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 TELOC VIA V519 SOUTHWEST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE ALL MDA 460 FEET AND INCREASE CIRCLING CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 MILE, AND CAT D 3/4 MILE.

*4400 WHEN USING BECKLEY ALTIMETER SETTING.

CHART NOTE: STRAIGHT-IN NA WHEN USING BECKLEY ALTIMETER SETTING.

QUALITY
2
CHECKED

CITY AND STATE BLUEFIELD, WV	ELEVATION: 2857 TDZE: 2849 AIRPORT NAME: MERCER COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 11 FEB 2010	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 KBLFK6FR05	AKENYA	010KENYAK6EAOE	A	IF						18000		B JS	
SUSAP KBLFK6FR05	AKENYA	020OTONEK6EAOEE	B	010TF		14800071		+ 06000				B JS	
SUSAP KBLFK6FR05	ATELOC	010TELOCK6EAOE	A	IF						18000		B JS	
SUSAP KBLFK6FR05	ATELOC	020OTONEK6EAOEE	B	010TF		03180062		+ 06000				B JS	
SUSAP KBLFK6FR05	R	010OTONEK6EAOE	I	IF				+ 06000		18000		B JS	
SUSAP KBLFK6FR05	R	011WABISK6EAOE	S	051TF				+ 05500				B JS	
SUSAP KBLFK6FR05	R	020VOCUGK6EA1E	F	051TF		09300035		+ 04700			JOSOM K6EAB	JS	
SUSAP KBLFK6FR05	R	020VOCUGK6EA2WN			N	ALNAV						JS	
SUSAP KBLFK6FR05	R	021JUNARK6EAOE	S	031TF								B JS	
SUSAP KBLFK6FR05	R	030JOSOMK6EAOEY	M	031TF		06380027		03058		-310		B JS	
SUSAP KBLFK6FR05	R	040KENYAK6EAOEYM	L010DF					+ 06000				B JS	
SUSAP KBLFK6FR05	R	050KENYAK6EAOEE	R020HM			10060050		+ 06000				B JS	

[illegible]

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.

QUALITY
6
CHECKED

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												
HENAB (IAF)	DROWE (NOPT) (FB)	138.92 / 6.00	5600	LPV: DA LNAV: RW23 CLIMB TO 6000 DIRECT YATUB AND VIA TRACK 291.97 TO KENYA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.57 INBOUND. CHART FAS OBST: 3353 TREE 372205N/0811018W DISTANCE TO THLD FROM 300 HAT: 0.71 NM. CHART VDP AT 2.28 MILES TO RW23* *LNAV ONLY. WAAS CHANNEL # 50207 REFERENCE PATH ID: W23A											
FOMOP (IAF)	DROWE (NOPT) (FB)	319.02 / 6.00	5600												
DROWE (IF/IAF)	COLES (FB)	228.97 / 6.28	4600												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE DROWE, RT, 228.97 INBOUND, 5600 FT. IN LIEU OF PT (IAF) 3. FAC: 228.92 FAF: COLES _____ DIST FAF TO MAP: 5.22 THLD: 5.22 4. MIN. ALT: DROWE 5600, COLES 4600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4600 GS ALT AT: COLES _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 58.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 7W 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	3142	1	300	3142	1	300	3142	1	300	3142	1	300			
LNAV MDA	3640	1	798	3640	1 1/4	798	3640	2 1/4	798	3640	2 1/2	798			
CIRCLING	3640	1	783	3640	1 1/4	783	3640	2 1/4	783	3640	2 1/2	783			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: CIRCLING NA SE RWY 5-23. CHART NOTE: VDP NA WHEN USING BECKLEY ALTIMETER SETTING. SEE 8260-10															
CITY AND STATE				ELEVATION: 2857 TDZE: 2842		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
BLUEFIELD, WV				AIRPORT NAME: MERCER COUNTY				RNAV (GPS) RWY 23, ORIG				AMDT: NONE			
								11 FEB 2010				DATED			

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 BECKLEY ALTIMETER SETTING AND INCREASE DA TO 3585 FT AND ALL MDA TO 4100 FT; INCREASE LPV ALL CATS VISIBILITY 1 1/2 MILE, INCREASE LNAV AND CIRCLING VISIBILITY CATS A AND B 1/4 MILE, CAT C 3/4 MILE, CAT D 1/2 MILE.

TAA

	FROM	TO	ALT
1.	139/30 CW 319/30 (NOPT)	139/10 CW 319/10	7000
2.	139/10 CW 319/10	DROWE (IF/IAF) (FB)	5600
3.	319/30 CW 049/30	FOMOP (IAF) (FB)	7000
4.	049/30 CW 139/30	HENAB (IAF) (FB)	7000

QUALITY
6
CHECKED

CITY AND STATE

BLUEFIELD, WV

ELEVATION: 2857 TDZE: 2842

AIRPORT NAME:

MERCER COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

**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	KBLF
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	371802.8700N
LTP/FTP LONGITUDE	0811207.4800W
LTP/FTP ELLIPSOIDAL HEIGHT	+08398
FPAP LATITUDE	371727.9600N
FPAP LONGITUDE	0811246.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	80.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B306B153

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+08706
FPAP ORTHOMETRIC HEIGHT	+08706

QUALITY
2
CHECKED

CITY AND STATE

BLUEFIELD, WV

ELEVATION: 2857 TDZE: 2842

AIRPORT NAME:

MERCER COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, ORIG

11 FEB 2010

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	KBLFK6FR23	ADROWE	010DROWEK6EA0EE	AR	HF		22900050	+	05600	18000		A	JS
SUSAP	KBLFK6FR23	AFOMOP	010FOMOPK6EA0E	A	IF					18000		A	JS
SUSAP	KBLFK6FR23	AFOMOP	020DROWEK6EA0EE	B	010TF		31900060	+	05600			A	JS
SUSAP	KBLFK6FR23	AHENAB	010HENABK6EA0E	A	IF					18000		A	JS
SUSAP	KBLFK6FR23	AHENAB	020DROWEK6EA0EE	B	010TF		13890060	+	05600			A	JS
SUSAP	KBLFK6FR23	R	010DROWEK6EA0E	I	IF			+	05600	18000		A	JS
SUSAP	KBLFK6FR23	R	020COLESK6EA1E	F	051TF		22900063	+	04600			A	JS
SUSAP	KBLFK6FR23	R	020COLESK6EA2WALPV			N	ALNAV						JS
SUSAP	KBLFK6FR23	R	030RW23 K6PG0GY	M	031TF		22890052		02914	-300		A	JS
SUSAP	KBLFK6FR23	R	040YATUBK6EA0E	M	010DF							A	JS
SUSAP	KBLFK6FR23	R	050KENYAK6EA0EY		010TF		2920	+	06000			A	JS
SUSAP	KBLFK6FR23	R	060KENYAK6EA0EE		RC20HM		10060050	+	06000			A	JS

[illegible]

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 BLUEFIELD, WV	ELEVATION: 2857 TDZE: 2842 AIRPORT NAME: MERCER COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG 11 FEB 2010	SUP:	
				AMDT:	NONE
				DATED:	

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MAP: BLF VORTAC

CLIMB TO 3800 THEN CLIMBING RIGHT TURN TO 6000 VIA HEADING 355 THEN RIGHT TURN DIRECT BLF VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 224.61 INBOUND.
CHART FAS OBST: 3353 TREE 372205N/0811018W
CHART 5600 PRIOR TO BLF VORTAC IN PROFILE.

1. PT L SIDE OF COURSE 044.61 OUTBOUND 5100 FT WITHIN 10 MILES OF BLF VORTAC (IAF)
 2. _____
 3. FAC 224.61 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: BLF VORTAC 6000

MAG VAR: 3W

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			
S-23	3760	1 1/4	918	3760	1 1/4	918	3760	2 3/4	918	3760	3	918						
CIRCLING	3760	1 1/4	903	3760	1 1/4	903	3760	2 3/4	903	3760	3	903						

NOTES:

CHART NOTE: CIRCLING NA SE OF RWY 5-23.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE ALL MDA 460 FEET, INCREASE S-23 AND CIRCLING VISIBILITY CATS B AND C 1/4 MILE.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

@ CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE <u>BLUEFIELD, WV</u>	ELEVATION: <u>2857</u> TDZE: <u>2842</u>	FACILITY IDENTIFIER: <u>BLF</u>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <u>VOR RWY 23, AMDT 9</u> <u>11 FEB 2010</u>	SUP
	AIRPORT NAME: <u>MERCER COUNTY</u>			AMDT <u>8B</u>
	DATE <u>12/22/2005</u>			

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: BLF VORTAC			
BKW VORTAC (IAF)	DROWE/BLF 11.00 DME (NOPT)	175.00 / 20.55	5600	CLIMB TO 3800 THEN CLIMBING RIGHT TURN TO 6000 VIA HEADING 020 AND BLF R-340 TO KEGLY/BLF 11.00 DME AND HOLD.			
ESTEM/BLF 16.56 DME (IAF)	DROWE/BLF 11.00 DME (NOPT)	224.61 / 5.55 (BLF R-045)	5600				
KEGLY/BLF 11.00 DME CW (IAF)	DROWE/BLF 11.00 DME (NOPT)	11.00 DME ARC	5600				
HECKE/BLF 11.00 DME CCW (IAF)	DROWE/BLF 11.00 DME (NOPT)	11.00 DME ARC	5600	ADDITIONAL FLIGHT DATA: HOLD S, LT, 339.54 INBOUND. CHART FAS OBST: 3075 TREE 372146N/0810936W CHART VDP AT 1.16 DME; DISTANCE VDP TO THLD 1.66 MILES. CHART BLF R-340 AT KEGLY. CHART BLF R-122 AT HECKE. CHART 5600 PRIOR TO BLF VORTAC IN PROFILE. ZABOR TO RW23: 2.91/55.			
DROWE/BLF 11.00 DME (IF)	ZABOR/BLF 4.00 DME	224.61 / 7.00 (BLF R-045)	4300				

1. PT <u>L</u> SIDE OF COURSE <u>044.61</u> OUTBOUND <u>5100</u> FT WITHIN <u>10</u> MILES OF <u>BLF VORTAC</u> (IAF)			
2. _____			
3. FAC <u>224.61</u> FAF <u>ZABOR/BLF 4.00 DME</u> DIST FAF TO MAP _____ THLD <u>4.50</u>			
4. MIN. ALT <u>ZABOR 4300</u>			
8. MSA FROM: <u>BLF VORTAC 6000</u>			
MAG VAR: 3W		EPOCH YEAR: 1965	

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			STANDARD @					
CATEGORY	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-23	3440	1	598	3440	1	598	3440	1 1/2	598	3440	1 3/4	598			
CIRCLING	3440	1	583	3440	1	583	3560	2	703	3560	2 1/4	703			

NOTES:
 CHART NOTE: CIRCLING NA SE OF RWY 5-23.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE ALL MDA 460 FEET; INCREASE S-23 VISIBILITY CAT A 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/2 MILE, CAT SEE 8260-10

@ CAT D 800-2 1/4
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE BLUEFIELD, WV	ELEVATION: 2857 TDZE: 2842	FACILITY IDENTIFIER: BLF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 23, AMDT 5 11 FEB 2010	SUP VOR/DME OR GPS RWY 23
	AIRPORT NAME: MERCER COUNTY			AMDT 4B
	DATE 12/22/2005			

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.

NOTES CONT.

D 1 1/4 MILE; INCREASE CIRCLING VISIBILITY CAT A 1/4 MILE, CAT B 1/2 MILE CAT C 1 MILE, CAT D 3/4 MILE.

CHART NOTE: VDP NA WHEN USING BECKLEY ALTIMETER SETTING.

QUALITY
CHECKED

CITY AND STATE

BLUEFIELD, WV

ELEVATION: 2857 TDZE: 2842

AIRPORT NAME:

MERCER COUNTY

FACILITY
IDENTIFIER:

BLF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 23, AMDT 5

11 FEB 2010

SUP: VOR/DME OR GPS
RWY 23

AMDT: 4B

DATED: 12/22/2005

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, 20, 10, 28 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 02, TERRAIN 30 FEET FROM DER, 277 FEET LEFT OF CENTERLINE, 4197 FEET MSL.

NOTE: RWY 10, MULTIPLE TREES AND FENCE BEGINNING 71 FEET FROM DER, 143 FEET RIGHT OF CENTERLINE, UP TO 14 FEET AGL/4214 FEET MSL. TERRAIN 14 FEET FROM DER, 502 FEET LEFT OF CENTERLINE, 4199 FEET MSL.

NOTE: RWY 28, TERRAIN 133 FEET FROM DER, 386 FEET RIGHT OF CENTERLINE, 4213 FEET MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

(5) City, State

TORRINGTON, WY

(6) Airport

TORRINGTON MUNI

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30702 ; Amdt. No. 3353]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

The incorporation by reference of certain publications listed
in the regulations is approved by the Director of the Federal
Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL
REGISTER].

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

For Examination -

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

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

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

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability - All SIAPs are available online free of charge.

Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

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

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

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

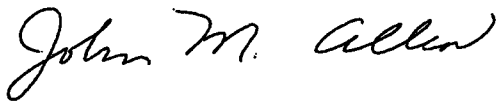
CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on **DEC 11 2009**



John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, 14 CFR part 97, is amended by amending Standard Instrument Approach Procedures, effective at 0901 UTC on the dates specified, as follows:

Part 97 - Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

**By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:
.....EFFECTIVE UPON PUBLICATION**

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
14-Jan-10	GA	WINDER	BARROW COUNTY	9/1655	11/25/09	VOR/DME OR GPS A, AMDT 9C
14-Jan-10	NY	SENECA FALLS	FINGER LAKES RGNL	9/1671	11/27/09	RNAV (GPS) RWY 1, AMDT 2
14-Jan-10	NC	ANDREWS	ANDREWS-MURPHY	9/1672	11/25/09	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 1
14-Jan-10	TX	LONGVIEW	EAST TEXAS RGNL	9/1756	12/1/09	VOR A, ORIG
14-Jan-10	TX	LONGVIEW	EAST TEXAS RGNL	9/1757	12/1/09	VOR/DME OR TACAN RWY 31, AMDT 7
14-Jan-10	FL	BARTOW	BARTOW MUNI	9/1892	11/25/09	RNAV (GPS) RWY 23, ORIG-A
14-Jan-10	FL	BARTOW	BARTOW MUNI	9/1893	11/25/09	VOR/DME RWY 9L, AMDT 2B
14-Jan-10	FL	BARTOW	BARTOW MUNI	9/1894	11/25/09	RNAV (GPS) RWY 5, ORIG-A
14-Jan-10	FL	BARTOW	BARTOW MUNI	9/1895	11/25/09	RNAV (GPS) RWY 27R, AMDT 1
14-Jan-10	FL	BARTOW	BARTOW MUNI	9/1896	11/25/09	RNAV (GPS) RWY 9L, AMDT 1A
14-Jan-10	KS	ULYSSES	ULYSSES	9/3753	12/8/09	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 2
11-Feb-10	PA	HARRISBURG	HARRISBURG INTL	9/1403	11/19/09	VOR RWY 31, AMDT 2
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2459	12/1/09	ILS RWY 4R, AMDT 12A; ILS RWY 4R (CAT II), AMDT 12A; ILS RWY 4R (CAT III), AMDT 12A
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2463	12/1/09	ILS OR LOC RWY 11, AMDT 1A
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2464	12/1/09	ILS RWL 4L, AMDT 13
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2465	12/1/09	RNAV (GPS) RWY 22R, AMDT 1
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2466	12/1/09	RNAV (GPS) Y RWY 4R, AMDT 1A

11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2467	12/1/09	ILS OR LOC RWY 22R, AMDT 4A
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2468	12/1/09	RNAV (GPS) RWY 4L, AMDT 1
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2469	12/1/09	RNAV (GPS) RWY 11, ORIG-A
11-Feb-10	NJ	NEWARK	NEWARK LIBERTY INTL	9/2470	12/1/09	RNAV (GPS) Z RWY 22L, AMDT 1B
11-Feb-10	NJ	TETERBORO	TETERBORO	9/2482	12/1/09	ILS OR LOC RWY 6, AMDT 29B
11-Feb-10	NJ	TETERBORO	TETERBORO	9/2484	12/1/09	COPTER ILS RWY 6, AMDT 1C
11-Feb-10	OR	PORTLAND	PORTLAND INTL	9/3389	12/7/09	ILS OR LOC RWY 10R, AMDT 32A; ILS RWY 10R (CAT II), AMDT 32A; ILS RWY 10R (CAT III), AMDT 32A

AIRAC Date: 14 JAN 2010

FDC 9/1655 WDR FI/P BARROW COUNTY, WINDER, GA. VOR/DME OR GPS A, AMDT 9C...CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE ATHENS ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CIRCLING: CAT D MDA 1500/HAA 557. DELETE FIX MAHVI. CHANGE PROCEDURE NAME TO READ VOR/DME-A. THIS IS VOR/DME A, AMDT 9D.

FDC 9/1671 0G7 FI/P FINGER LAKES RGNL, SENECA FALLS, NY. RNAV (GPS) RWY 1, AMDT 2...DELETE NOTE: USE SYRACUSE HANCOCK INTL ALTIMETER SETTING. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SYRACUSE HANCOCK ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 1, AMDT 2A.

FDC 9/1672 RHP FI/P ANDREWS-MURPHY, ANDREWS, NC. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1...CHANGE ALL REFERENCES TO ANDREWS-MURPHY TO WESTERN CAROLINA RGNL. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A.

FDC 9/1756 GGG FI/P EAST TEXAS RGNL, LONGVIEW, TX. VOR A, ORIG...CIRCLING CATS A/B/C MDA 860/HAA 495. PROCEDURE TURN MINIMUM ALTITUDE 2600. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GILMER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. THIS IS VOR A, ORIG-A.

FDC 9/1757 GGG FI/P EAST TEXAS RGNL, LONGVIEW, TX. VOR/DME OR TACAN RWY 31, AMDT 7...CIRCLING CATS A/B/C MDA 860/HAA 495. CHANGE ARGEN INT/GGG 14.00 DME TO ARGEN /GGG 14.00 DME. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GILMER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE S-31 CATS C/D/E AND CIRCLING CAT E VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING GILMER ALTIMETER SETTING. JEDIN/GGG 6.00 DME 1060 ASTERISK. ASTERISK 1120 WHEN USING GILMER ALTIMETER SETTING. THIS IS VOR/DME OR TACAN RWY 31, AMDT 7A.

FDC 9/1892 BOW FI/P BARTOW MUNI, BARTOW, FL. RNAV (GPS) RWY 23, ORIG-A...CIRCLING MDA 600/HAA 475 CATS A/B/C. THIS IS RNAV (GPS) RWY 23, ORIG-B.

FDC 9/1893 BOW FI/P BARTOW MUNI, BARTOW, FL. VOR/DME RWY 9L, AMDT 2B...CIRCLING MDA 600/HAA 475 CATS A/B/C. THIS IS VOR/DME RWY 9L, AMDT 2C.

FDC 9/1894 BOW FI/P BARTOW MUNI, BARTOW, FL. RNAV (GPS) RWY 5, ORIG-A...CIRCLING MDA 600/HAA 475 CATS A/B/C. THIS IS RNAV (GPS) RWY 5, ORIG-B.

FDC 9/1895 BOW FI/P BARTOW MUNI, BARTOW, FL. RNAV (GPS) RWY 27R, AMDT 1...CIRCLING MDA 600/HAA 475 CATS A/B/C. THIS IS RNAV (GPS) RWY 27R, AMDT 1A.

FDC 9/1896 BOW FI/P BARTOW MUNI, BARTOW, FL. RNAV (GPS) RWY 9L, AMDT 1A...CIRCLING MDA 600/HAA 475 CATS A/B/C. THIS IS RNAV (GPS) RWY 9L, AMDT 1B.

FDC 9/3753 ULS FI/P ULYSSES, ULYSSES, KS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2...TAKE OFF MINIMUMS: RWY 17, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 281 FT PER NM TO 3500. NOTE: RWY 17, TOWER 1.38 NM FROM DEPARTURE END OF RUNWAY, 124 FT RIGHT OF CENTERLINE, 249 FT AGL/3305 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2A.

AIRAC Date: 11 FEB 2010

FDC 9/1403 MDT FI/P HARRISBURG INTL, HARRISBURG, PA. VOR RWY 31, AMDT 2...AKICU FIX MINIMUMS: S-31 MDA 1080/HAT 772 ALL CATS. VIS CAT C 2 1/4, CAT D 2 1/2. CIRCLING MDA 1080/HAA 770 ALL CATS. VIS CAT C 2 1/4, CAT D 2 1/2. THIS IS VOR RWY 3, AMDT 2A.

FDC 9/2459 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. ILS RWY 4R AMDT 12A ILS RWY 4R (CAT II) AMDT 12A ILS RWY 4R (CAT III) AMDT 12A CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. ALTERNATE MINIMUMS: ILS CATS A/B/C 800-2, CAT D 900-3; LOC STANDARD, EXCEPT CAT D 900-3. THIS IS ILS OR LOC RWY 4R AMDT 12B; ILS RWY 4R (CAT II) AMDT 12B; ILS RWY 4R (CAT III) AMDT 12B.

FDC 9/2463 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. ILS OR LOC RWY 11, AMDT 1A...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. ALTERNATE MINIMUMS: ILS CATS A/B/C 800-2, CAT D 900-3; LOC STANDARD, EXCEPT CAT D 900-3. THIS IS ILS OR LOC RWY 11, AMDT 1B.

FDC 9/2464 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. ILS RWY 4L, AMDT 13...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. ALTERNATE MINIMUMS: ILS CATS A/B/C 800-2, CAT D 900-3; LOC STANDARD, EXCEPT CAT D 900-3. THIS IS ILS OR LOC RWY 4L, AMDT 13A.

FDC 9/2465 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. RNAV (GPS) RWY 22R, AMDT 1...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. THIS IS RNAV (GPS) RWY 22R, AMDT 1A.

FDC 9/2466 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. RNAV (GPS) Y RWY 4R, AMDT 1A...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. THIS IS RNAV (GPS) Y RWY 4R, AMDT 1B.

FDC 9/2467 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. ILS OR LOC RWY 22R, AMDT 4A...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. ALTERNATE MINIMUMS: ILS CATS A/B/C 800-2, CAT D 900-3; LOC STANDARD, EXCEPT CAT D 900-3. THIS IS ILS OR LOC RWY 22R, AMDT 4B.

FDC 9/2468 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. RNAV (GPS) RWY 4L, AMDT 1...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. THIS IS RNAV (GPS) RWY 4L, AMDT 1A

FDC 9/2469 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. RNAV (GPS) RWY 11, ORIG-A...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. ALTERNATE MINIMUMS: STANDARD, EXCEPT CAT D 900-3. THIS IS RNAV (GPS) RWY 11, ORIG-B.

FDC 9/2470 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. RNAV (GPS) Z RWY 22L, AMDT 1B...CIRCLING MDA CATS A/B/C 720/HAA 702. CAT C VISIBILITY 2. THIS IS RNAV (GPS) Z RWY 22L, AMDT 1C.

FDC 9/2482 TEB FI/P TETERBORO, TETERBORO, NJ. ILS OR LOC RWY 6, AMDT 29B...S-ILS 6 DA 356/HAT 350, VIS 4000 ALL CATS. S-LOC 6 VIS CATS A/B RVR 4000. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: DME FROM TEB VOR/DME. SIMULTANEOUS RECEPTION OF I-TEB AND TEB DME REQUIRED. CHART NOTE: DME OR RADAR REQUIRED. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 6 ALL CATS VISIBILITY TO RVR 6000, INCREASE S-LOC 6 CATS A/B VISIBILITY TO RVR 5000. DELETE DANDY INT/TEB 6.4 DME. ADD DANDY/TEB 6.4 DME/RADAR. DELETE JFK R-308. THIS IS ILS OR LOC RWY 6, AMDT 29C.

FDC 9/2484 TEB FI/P TETERBORO, TETERBORO, NJ. COPTER ILS RWY 6, AMDT 1C...S-ILS 6 DA 356/HAT 350, VIS RVR 4000. S-LOC 6 VIS CATS RVR 4000. CHART NOTE: DME FROM TEB VOR/DME. SIMULTANEOUS RECEPTION OF I-TEB AND TEB DME REQUIRED. CHART NOTE: DME OR RADAR REQUIRED. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 6 VISIBILITY TO RVR 6000. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 6. DELETE DANDY INT/TEB 6.4 DME. ADD DANDY/TEB 6.4 DME/RADAR. DELETE JFK R-308. THIS IS COPTER ILS OR LOC RWY 6, AMDT 1D.

FDC 9/3389 PDX FI/P PORTLAND INTL, PORTLAND, OR. ILS OR LOC RWY 10R AMDT 32A ILS RWY 10R (CAT II) AMDT 32A ILS RWY 10R (CAT III) AMDT 32A DELETE NOTE: WHEN CONTROL TOWER REPORTS CONSTRUCTION EQUIPMENT IS OPERATING WITHIN THE AREA, CAT II AND III MINIMUMS NOT AUTHORIZED. THIS IS ILS OR LOC RWY 10R AMDT 32B. THIS IS ILS RWY 10R (CAT II) AMDT 32B. THIS IS ILS RWY 10R (CAT III) AMDT 32B.