

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 09-11

APRIL 17, 2009

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, ATO-R
(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 are corrected copies of procedures published in Transmittal Letters
09-09 and 09-10:**

Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 26L,
Amdt 2

Seattle, WA, Boeing Field/King County Intl, RNAV (RNP) Z RWY 13R, Orig-B
Monroe, WI, Monroe Muni, RNAV (GPS) RWY 12, Orig

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
VANNN (IAF)	MKAYE (FB)	265.21 / 5.00	7000	LNAV/VNAV: DA LNAV: RW26L CLIMB TO 3000 DIRECT LUCEP AND HOLD.
MKAYE	GRIEG (FB)	265.16 / 5.72	5000**	
GRIEG (IF)	KERNS (FB)	265.11 / 6.46	3000**	
KERNS	JEPNI (FB)	265.04 / 3.46	2000	

This is a corrected copy of a procedure published in TL 09-10, dated 04.03.2009.

** The procedure was incorrectly noted as Rwy 28L due to ink smudging.**

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 084.73 INBOUND.
CHART FAS OBST: 224 TOWER 300009N/0951815W
CHART FAS OBST: 424 CTRL TWR 295903N/0951941W
CHART 557 TOWER 300020N/0951300W.
DISTANCE TO THLD FROM 483 HAT: 1.35 NM.
CHART VDP AT 1.62 MILES TO RW26L**LNAV ONLY.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT VANNN
3. FAC: 265.01 FAF: JEPNI DIST FAF TO MAP: 5.72 THLD: 5.72
4. MIN. ALT: VANNN 7000, MKAYE 7000, GRIEG 5000**, KERNS 3000**, JEPNI 2000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCP: 2000 GS ALT AT: JEPNI OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 55.5 34:1 IS CLEAR
8. MSA FROM: RW26L 3100

MAG VAR: 5E

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		STANDARD									
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV/VNAV DA		580	6000	483	580	6000	483	580	6000	483	580	6000	483	580	6000	483
LNAV MDA		680	2400	583	680	2400	583	680	5000	583	680	6000	583	680	1 1/2	583

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO /AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 26L, AMDT 2 07 MAY 2009	SUP: AMDT: 1A DATED 06/05/2004
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QUALITY
7
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33			
NOTES CONT. CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 3/4 MILES AND LNAV CAT E VISIBILITY TO 2 MILES. CHART PROFILE NOTE: ** WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 5000.			
CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 26L, AMDT 2 07 MAY 2009
			SUP: AMDT: 1A DATED: 06/05/2004

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[illegible]

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 26L, AMDT 2 07 MAY 2009	SUP:
	AIRPORT NAME:			AMDT: 1A
	GEORGE BUSH INTERCONTINENTAL/HOUSTON			DATED: 06/05/2004

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	VANNN	VANNN	010	IAF	IF		FB				
	VANNN	MKAYE	020		TF		FB	1.0	265.2 (270T)	005.0	07000
	VANNN	GRIEG	030		TF		FB	1.0	265.2 (270T)	005.7	05000
		GRIEG	010	FACF	IF		FB				05000
		KERNS	011	SDF	TF		FB	0.5	265.1 (270T)	006.5	03000
		JEPNI	020	FAF	TF		FB	0.5	265.0 (270T)	003.5	02000
		RW26L	030	MAP	TF		FO	0.3	265.0 (270T)	005.7	00150

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LUCEP	040		DF		FO	1.0			03000
	LUCEP	050		HM	R	FO	2.0	084.7 (090T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GRIEG	N295935.80	W0950130.30	N2959.597	W09501.505
	JEPNI	N295936.46	W0951255.77	N2959.608	W09512.930
	KERNS	N295936.36	W0950856.65	N2959.606	W09508.944
	LUCEP	N295932.38	W0954702.14	N2959.540	W09547.036
	MKAYE	N295934.98	W0945455.07	N2959.583	W09454.918
	VANNN	N295933.99	W0944909.60	N2959.567	W09449.160
	RW26L	N295936.38	W0951930.95	N2959.606	W09519.516

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26L	00094	56

CITY AND STATE
HOUSTON, TX

ELEVATION: 97 TDZE: 97
 AIRPORT NAME:
 GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 26L, AMDT 2
 07 MAY 2009

SUP:
 AMDT: 1A
 DATED: 06/05/2004

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA
PAE VOR/DME (40V)	ZUVEN (TF) (FB) (RNP 2.00) (40E) (43A)	198.43/9.20	4000	CLIMB TO 2000 VIA 130.21 TRACK TO DUANE THEN CLIMB TO 6400 VIA 117.06 TRACK TO BLAKO AND HOLD. CONTINUE CLIMB-IN-HOLD TO 6400.
ZUVEN (IAF) (40E) (43A)	FOGUL (TF) (FB) (RNP 1.00) (40E)	198.01/3.70	3400	
FOGUL (40E)	JAMRO (RF) (FB) (RNP 0.50) (40E) (41E)	(5.00 NM RADIUS CCW YUPTU) /8.31	2100	
LOFAL (40E)	JUGOK (TF) (FB) (RNP 1.00) (40E) (43A)	126.86/13.87	2900	ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.00 INBOUND CHART FAS OBST: 363 TREE 473312N/1221829W, 232 TREE 473306N/1221849W, 97 TREE 473250N/1221854W
JUGOK (IAF) (40E) (43A)	JAMRO (TF) (FB) (RNP 0.50) (40E) (41E)	106.37/2.90	2100	
JAMRO (IF) (40E) (43I)	COMMB (TF) (FB) (RNP 0.50) (40E) (43F)	100.68/2.50	1700	

THIS IS A CORRECTION TO TL 09-10. SEE WHICH CORRECTIONS ON PAGE 2.

(CONTINUED ON PAGE 2)

1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	DIST TO THLD FROM 506 HAT: 1.43 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 67.3 MSL (DO NOT CHART) MAG VAR: 20E EPOCH YEAR: 1990
2. PROFILE STARTS AT JAMRO	
3. FAC: <u> </u> FAF: *SEE TERMINAL ROUTES FROM COMMB DIST FAF TO MAP: <u> </u> THLD: <u> </u>	
4. MIN. ALT: JAMRO 2100, COMMB 1700	
5. DIST TO THLD FROM OM: <u> 5.06 </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u> 1700 </u> GS ALT AT: COMMB 1700, ORABE 1031 OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u> 3.00 </u> TCH: <u> 50.0# </u> 34:1 IS NOT CLEAR	
8. MSA FROM: RW13R 8200	

MINIMUMS																
TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A			#						
CATEGORY =====>		A			B			C			D			E		
		DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED														
RNP 0.15 DA	523	1 1/2	505	523	1 1/2	505	523	1 1/2	505	523	1 1/2	505		
RNP 0.30 DA	637	2	619	637	2	619	637	2	619	637	2	619		

NOTES: CHART NOTES: GPS AND RF REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C # CAT A, B, C, D 800-2 1/4 (28F) OR ABOVE 48C (119F). FOR INOPERATIVE MALSF, INCREASE RNP 0.15 VISIBILITY TO 1 3/4, RNP 0.30 TO 2 1/4.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE AT FOGUL, JUGOK, JAMRO: (RNP 0.50)
(CONTINUED ON PAGE 2)

CITY AND STATE	ELEVATION: 21 TDZE: 18	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 07 MAY 2009 RNAV (RNP) Z RWY 13R, ORIG-B	SUP:
SEATTLE, WA	AIRPORT NAME: BOEING FIELD/ KING COUNTY INTL			AMDT: ORIG-A
				DATE 03/13/2008

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONTINUED FROM PAGE 1):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
COMMB (FAF) (40E) (43F)	ORABE (RF) (TF) (40E)	(4.00 NM RADIUS CW EXAXE) /2.06	
ORABE (40E)	RW13R (TF) (FO) (40G) (41Y) (43M)	130.18/3.00	
RW13R (MAP) (40G) (41Y) (43M)	DUANE (TF) (FB) (RNP 1.00) (40E) (42M)	130.21/6.51	2000
DUANE (40E) (42M)	BLAKO (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	117.06/9.81	6400

NOTES (CONTINUED FROM PAGE 1):

CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT LOFAL VIA V287 WESTBOUND AND V4 NORTHBOUND.
 PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME AIRWAY RADIALS 163 CW 236.

CORRECTIONS: PAGE 2 OF 2 MISSING. CORRECTS TDZE ELEV FROM 17 TO 18. UPDATED RNP 0.15 DA HAT FROM 506 TO 505 AND RNP 0.30 DA HAT FROM 620 TO 619. CHANGED ALTERNATE MINIMUMS FROM STANDARD TO CAT A,B,C,D 800-2 ¼.

CITY AND STATE SEATTLE, WA	ELEVATION: 21 TDZE: 17	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 07 MAY 2009 RNAV (RNP) Z RWY 13R, ORIG-B	SUP:
	AIRPORT NAME: BOEING FIELD/KING COUNTY INTL			AMDT: ORIG-A
	DATED: 03/13/2008			

QUALITY
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US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW12
BAULK	NUBUE (FB)	099.73 / 14.69	3000	CLIMB TO 3000 DIRECT FALKN AND VIA 142.93 TRACK TO DAVIS AND HOLD.
MADDY	NUBUE (FB)	336.21 / 9.70	3000	
DALEY	MARKM (FB)	166.81 / 7.37	3000	
NUBUE (IAF)	ALOOF (FB)	031.23 / 5.00	3000	
MARKM (IAF)	ALOOF (FB)	211.31 / 5.00	3000	
ALOOF (IF)	IGOGY (FB)	121.27 / 6.12	2700	

This is a corrected copy of a procedure published in TL 09-09, dated 03.20.2009.

** this procedures corrects text quality issues in previous version. **

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 060.49 INBOUND.
CHART FAS OBST: 1229 TREE 423719N/0893708W
CHART VDP AT 1.06 MILES TO RW12.
IGOGY TO RW12: 3.04/40.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT ALOOF
3. FAC: 121.35 FAF: IGOGY DIST FAF TO MAP: 4.88 THLD: 4.88
4. MIN. ALT: ALOOF 3000, IGOGY 2700
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: RW12 3600

MAG VAR: 0E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A			STANDARD @						
CATEGORY	=====	A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		1480	1	394	1480	1	394	1480	1	394	1480	1 1/4	394			
CIRCLING		1540	1	454	1640	1	554	1640	1 1/2	554	1640	2	554			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: VDP NA WHEN USING ALBERTUS ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBERTUS ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DALEY VIA V24-171 NORTHWEST BOUND.

CITY AND STATE MONROE, WI	ELEVATION: 1086 TDZE: 1086 AIRPORT NAME: MONROE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED
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[illegible]

CITY AND STATE MONROE, WI	ELEVATION: 1086 TDZE: 1086 AIRPORT NAME: MONROE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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

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RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KEFTK5GRW12 0050001214 N42370762W089354858-0500 +0297401086000040075R

MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KEFTK5SRW12 K5PG 0 18018003625 M

CITY AND STATE

MONROE, WI

ELEVATION: 1086 TDZE: 1086
AIRPORT NAME:
MONROE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 12, ORIG
07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BAULK	BAULK	010		IF		FB				
	BAULK	NUBUE	020	IAF	TF		FB	2.0	099.7 (100T)	014.7	03000
	BAULK	ALOOF	030		TF		FB	1.0	031.2 (031T)	005.0	03000
	DALEY	DALEY	010		IF		FB				
	DALEY	MARKM	020	IAF	TF		FB	2.0	166.8 (167T)	007.4	03000
	DALEY	ALOOF	030		TF		FB	1.0	211.3 (211T)	005.0	03000
	MADDY	MADDY	010		IF		FB				
	MADDY	NUBUE	020	IAF	TF		FB	2.0	336.2 (336T)	009.7	03000
	MADDY	ALOOF	030		TF		FB	1.0	031.2 (031T)	005.0	03000
		ALOOF	010	FACF	IF		FB				03000
		IGOGY	020	FAF	TF		FB	0.5	121.3 (121T)	006.1	02700
		RW12	030	MAP	TF		FO	0.3	121.4 (121T)	004.9	01126

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FALKN	040		DF		FB	1.0			
	DAVIS	050		TF		FO	1.0	142.9 (143T)		03000
	DAVIS	060		HM	R	FO	2.0	060.5 (061T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALOOF	N424250.98	W0894832.66	N4242.850	W08948.544
	BAULK	N424105.09	W0901140.75	N4241.085	W09011.679
	DALEY	N425418.10	W0894718.24	N4254.302	W08947.304
	DAVIS	N422626.75	W0892303.09	N4226.446	W08923.052
	FALKN	N423533.73	W0893220.60	N4235.562	W08932.343
	IGOGY	N423940.01	W0894127.01	N4239.667	W08941.450
	MADDY	N422942.12	W0894645.65	N4229.702	W08946.761
	MARKM	N424707.42	W0894501.18	N4247.124	W08945.020
	NUBUE	N423834.43	W0895203.65	N4238.574	W08952.061
	RW12	N423707.62	W0893548.58	N4237.127	W08935.810

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW12	01086		40

CITY AND STATE MONROE, WI	ELEVATION: 1086 TDZE: 1086	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: MONROE MUNI			AMDT: NONE
				DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30663 Amdt. No 3318]

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 April 17,2009.



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 07 MAY 2009

Columbia, MO, Columbia Rgnl, LOC/DME BC RWY 20, Amdt 12

Effective 04 JUN 2009

Windsor Locks, CT, Bradley Intl, COPTER ILS OR LOC RWY 6, Orig-B
Windsor Locks, CT, Bradley Intl, ILS OR LOC RWY 6, ILS RWY 6 (CAT II), ILS
RWY 6 (CAT III), Amdt 36B
Windsor Locks, CT, Bradley Intl, ILS OR LOC RWY 24, Amdt 10C
Windsor Locks, CT, Bradley Intl, ILS OR LOC RWY 33, Amdt 9B
Chicago, IL, Lansing Muni, Takeoff Minimums and Obstacle DP, Amdt 5
Dixon, IL, Dixon Muni-Charles R Walgreen Field, RNAV (GPS) RWY 8, Orig
Dixon, IL, Dixon Muni-Charles R Walgreen Field, RNAV (GPS) RWY 26, Orig
Dixon, IL, Dixon Muni-Charles R Walgreen Field, Takeoff Minimums and Obstacle DP,
Amdt 2
Dixon, IL, Dixon Muni-Charles R Walgreen Field, VOR-A, Amdt 10
Olathe, KS, Johnson County Executive, RNAV (GPS) RWY 18, Amdt 1A
Lexington, KY, Blue Grass, RNAV (GPS) RWY 8, Orig, CANCELLED
Lexington, KY, Blue Grass, RNAV (GPS) RWY 26, Orig, CANCELLED
Mount Holly, NJ, South Jersey Rgnl, Takeoff Minimums and Obstacle DP, Orig
Bennettsville, SC, Marlboro County Jetport-H.E.Avent Field, Takeoff Minimums and
Obstacle DP, Orig
Pelion, SC, Lexington County At Pelion, Takeoff Minimums and Obstacle DP, Orig
Atlanta, TX, Hall Miller Muni, NDB RWY 5, Amdt 4
Emporia, VA, Emporia-Greensville Rgnl, Takeoff Minimums and Obstacle DP, Orig
Casper, WY, Casper/Natrona County Intl, ILS OR LOC RWY 3, Amdt 6A
Casper, WY, Casper/Natrona County Intl, ILS OR LOC RWY 8, Amdt 25A
Casper, WY, Casper/Natrona County Intl, RNAV (GPS) RWY 3, Amdt 1A
Casper, WY, Casper/Natrona County Intl, RNAV (GPS) RWY 8, Amdt 1A

Effective 02 JUL 2009

Floral, AL, Floral Muni, Takeoff Minimums and Obstacle DP, Orig
Ankeny, IA, Ankeny Rgnl, GPS RWY 36, Amdt 2A, CANCELLED
Ankeny, IA, Ankeny Rgnl, ILS OR LOC RWY 36, Amdt 1
Ankeny, IA, Ankeny Rgnl, RNAV (GPS) RWY 36, Orig
Cherokee, IA, Cherokee County Rgnl, NDB OR GPS RWY 36, Amdt 4, CANCELLED
Cherokee, IA, Cherokee County Rgnl, RNAV (GPS) Y RWY 36, Orig
Cherokee, IA, Cherokee County Rgnl, RNAV (GPS) Z RWY 36, Orig
Knoxville, IA, Knoxville Muni, NDB RWY 15, Amdt 7, CANCELLED
Knoxville, IA, Knoxville Muni, NDB RWY 33, Amdt 6, CANCELLED

Vinton, IA, Vinton Veterans Meml Arpk, NDB RWY 27, Amdt 4, CANCELLED
Independence, KS, Independence Muni, VOR-A, Amdt 2
Lawrence, KS, Lawrence Muni, RNAV (GPS) RWY 33, Amdt 1
Battle Creek, MI, W K Kellogg, VOR RWY 23, Amdt 18
Detroit, MI, Detroit Metropolitan Wayne County, ILS PRM RWY 3R (Simultaneous Close Parallel), ILS PRM RWY 3R (CAT II), ILS PRM RWY 3R (CAT III), Orig
Detroit, MI, Detroit Metropolitan Wayne County, ILS PRM RWY 4L (Simultaneous Close Parallel), Orig
Detroit, MI, Detroit Metropolitan Wayne County, ILS PRM RWY 4R (Simultaneous Close Parallel), ILS PRM RWY 4R (CAT II), ILS PRM RWY 4R (CAT III), Orig
Detroit, MI, Detroit Metropolitan Wayne County, ILS PRM RWY 21L (Simultaneous Close Parallel), Orig
Detroit, MI, Detroit Metropolitan Wayne County, ILS PRM RWY 22L (Simultaneous Close Parallel), Orig
Detroit, MI, Detroit Metropolitan Wayne County, ILS PRM RWY 22R (Simultaneous Close Parallel), Orig
Holland, MI, Tulip City, ILS OR LOC/DME RWY 26, Amdt 2
Holland, MI, Tulip City, RNAV (GPS) RWY 26, Amdt 3
Holland, MI, Tulip City, Takeoff Minimums and Obstacle DP, Amdt 1
Midland, MI, Jack Barstow, RNAV (GPS) RWY 6, Amdt 1
Midland, MI, Jack Barstow, RNAV (GPS) RWY 24, Amdt 1
Midland, MI, Jack Barstow, Takeoff Minimums and Obstacle DP, Orig
Midland, MI, Jack Barstow, VOR-A, Amdt 7
Pellston, MI, Pellston Rgnl Airport Of Emmet County, Takeoff Minimums and Obstacle DP, Amdt 4
Sparta, MI, Paul C Miller-Sparta, RNAV (GPS) RWY 7, Orig
Sparta, MI, Paul C Miller-Sparta, RNAV (GPS) RWY 25, Orig
Sparta, MI, Paul C Miller-Sparta, VOR-A, Amdt 3
Sparta, MI, Paul C Miller-Sparta, VOR/DME RNAV OR GPS RWY 25, Amdt 2, CANCELLED
Minneapolis, MN, Minneapolis-St Paul Intl/Wold-Chamberlain, LOC RWY 22, Orig-A
Monett, MO, Monett Muni, RNAV (GPS) RWY 18, Amdt 1
Monett, MO, Monett Muni, RNAV (GPS) RWY 36, Amdt 1
Lorain/Elyria, OH, Lorain County Rgnl, RNAV (GPS) RWY 7, Orig
Lorain/Elyria, OH, Lorain County Rgnl, VOR-A, Amdt 3
New Lexington, OH, Perry County, RNAV (GPS) RWY 26, Orig
New Lexington, OH, Perry County, VOR/DME RWY 26, Amdt 2
Casper, WY, Natrona County Intl, RNAV (GPS) RWY 21, Amdt 2
Casper, WY, Natrona County Intl, RNAV (GPS) RWY 26, Amdt 1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC/DME BC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.25					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES					MISSED APPROACH							
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: YICCU/I-COU 0.48 DME								
COU VOR/DME	BOVEN/I-COU 5.50 DME	017.40 / 6.34	2700	CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 2700 VIA HEADING 350 AND I-COU NORTH COURSE TO BOVEN/I-COU 5.50 DME AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1009 TREE 385334N/0921133W BOVEN TO RW20: 2.94/40. CHART (CFCBX) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE								
HLV VORTAC (IAF)	YESNU/I-COU 11.50 DME	172.33 / 6.62	3500									
JAGGI/HLV 8.86 DME (IAF)	YESNU/I-COU 11.50 DME	259.00 / 7.01 (HDG) & 198.44 / 4.29 (I-COU) (COU LR-023.70)	3500									
YESNU/I-COU 11.50 DME (IF)	ZEBRI/I-COU 10.00 DME	198.44 / 1.50 (I-COU)	3500									
ZEBRI/I-COU 10.00 DME	BOVEN/I-COU 5.50 DME	198.44 / 4.50 (I-COU)	2700									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD <u>N</u> BOVEN, LT, 198.44 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC <u>198.44</u> FAF <u>BOVEN/I-COU 5.50 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.68</u> 4. MIN. ALT <u>BOVEN 2700</u> 8. MSA FROM: <u>COU VOR/DME 3100</u>					MAG VAR: 3E EPOCH YEAR: 1990							
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @			
CATEGORY >>>>>	A		B		C		D		E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-20	1260	3/4	371	1260	3/4	371	1260	3/4	371	1260	1 1/4	371
CIRCLING	1300	1	411	1340	1	451	1340	1 1/2	451	1440	2	551
NOTES: CHART PROFILE NOTE: DISREGARD GS INDICATIONS. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEFFERSON CITY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE VISIBILITY S-LOC 20 CAT C 1/2 MILE AND CAT D 1/4 MILE. CHART PROFILE NOTE: USE I-COU DME WHEN ON LOC COURSE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HALLSVILLE VORTAC AIRWAY RADIALS 155 CW 203.												
CITY AND STATE		ELEVATION: 889 TDZE: 889		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP LOC BC RWY 20			
COLUMBIA, MO		AIRPORT NAME:		I-COU		LOC/DME BC RWY 20, AMDT 12			AMDT 11B			
		COLUMBIA RGNL				07 MAY 2009			DATE 05/10/2007			

 QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

COPTER 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					
PENNA INT/I-BDL 12.83 DME (IF)	HUNEE INT/I-BDL 6.82 DME	058.37 / 6.01 (I-BDL)	1800	ILS: DA LOC: 4.89 MILES AFTER HUNEE INT/BDL 6.82 DME OR AT I-BDL 1.94 DME FIX CLIMB TO 3000 VIA BDL R-060 TO ERICS INT/BDL 13.85 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 4000 THEN LEFT TURN DIRECT BAF VORTAC AND HOLD E, LT, 274.75 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 240.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E BAF VORTAC, LT, 274.75 INBOUND. CHART FAS OBST: 319 TREE 415427N/0724307W CHART 909 TREES 415208N/0724638W. CHART IN PLANVIEW: BAF VORTAC.				
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 PENNA 3. FAC: <u>058.37</u> FAF: <u>HUNEE INT/I-BDL 6.82 DME</u> DIST FAF TO MAP: <u>4.89</u> THLD: <u>4.89</u> 4. MIN. ALT: <u>PENNA 3000*</u> , <u>HUNEE 1800</u> , <u>JETIX/I-BDL 4.44 DME 1020</u> 5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>861</u> 150 HAT: <u> </u> - <u> </u> 100 HAT: <u>857</u> GS ANT: <u>1051</u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>HUNEE INT/I-BDL 6.82 DME 1800</u> OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>266</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>48.2</u> 8. MSA FROM: <u>BDL VORTAC 010-190 2800, 190-010 3400</u>				MAG VAR: <u>14W</u> EPOCH YEAR: <u>1980</u>				
MINIMUMS								
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☒			
CATEGORY ==>	A		B		C		D	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
H-ILS 6	273	1200	100					
H-LOC 6	1020	2400	847					
JETIX FIX MINIMUMS								
H-LOC 6	580	2400	407					
NOTES: CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE H-ILS VISIBILITY TO RVR 2400 AND H-LOC VISIBILITY TO RVR 5000. CHART PLANVIEW NOTE: RADAR REQUIRED COPTER ILS CATEGORY II - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. *MINIMUM ALT AT PENNA 2500 WHEN AUTHORIZED BY ATC								
CITY AND STATE		ELEVATION: 173 TDZE: 173		FACILITY IDENTIFIER:		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:		SUP:
WINDSOR LOCKS, CT		AIRPORT NAME:		I-BDL		COPTER ILS OR LOC RWY 6, ORIG-B		AMDT: ORIG-A
		BRADLEY INTL				04 JUN 2009		DATED 06/10/2004

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: 4.88 MILES AFTER HUNEE INT/BDL 6.82 DME OR AT 1.94 DME FIX CLIMB TO 3000 VIA BDL VORTAC R-060 TO ERICS INT/BDL 13.85 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 4000 THEN LEFT TURN DIRECT BAF VORTAC AND HOLD E, LT, 274.75 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 240.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E BAF VORTAC, LT, 274.75 INBOUND. CHART FAS OBST: 319 TREE 415427N/0724307W CHART 829 TREES 415128N/0724654W. CHART VDP AT 3.06 DME; DISTANCE VDP TO THLD 1.12 MILES. CHART IN PLANVIEW: BAF VORTAC.											
BDL VORTAC	PENNA INT/I-BDL 12.83 DME	237.77 / 11.52	3000*												
PENNA INT/I-BDL 12.83 DME (IF)	HUNEE INT/I-BDL 6.82 DME	058.37 / 6.01 (I-BDL)	1800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW PENNA, LT, 058.37 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 058.37 FAF: HUNEE INT/I-BDL 6.82 DME DIST FAF TO MAP: 4.88 THLD: 4.88 4. MIN. ALT: PENNA 3000*, HUNEE 1800, JETIX/I-BDL 4.43 DME 1020 5. DIST TO THLD FROM OM: 4.88 MM: - IM: 861 150 HAT: - 100 HAT: 945 GS ANT: 1051 6. MIN GS INCPT: 1800 GS ALT AT: HUNEE INT/I-BDL 6.82 DME 1800 OM: - MM: - IM: 272 7. GS ANGLE: 3.00 TCH: 50.6 8. MSA FROM: BDL VORTAC 010-190 2800, 190-010 3400				MAG VAR: 14W EPOCH YEAR: 1980											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		ILS: # _____ LOC: @ _____											
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 6	373	1800	200	373	1800	200	373	1800	200	373	1800	200			
S-LOC 6	1020	2400	847	1020	4000	847	1020	2	847	1020	2 1/4	847			
CIRCLING	1020	1	847	1020	1 1/4	847	1020	2 1/2	847	1020	2 3/4	847			
JETIX FIX MINIMUMS															
S-LOC 6	580	2400	407	580	2400	407	580	4000	407	580	4000	407			
CIRCLING	680	1	507	680	1	507	680	1 1/2	507	1000	2 3/4	827			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 6: DA 273 MSL, 101 RA, RVR 1200, HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 6: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10															
CITY AND STATE WINDSOR LOCKS, CT		ELEVATION: 173 TDZE: 173 AIRPORT NAME: BRADLEY INTL		FACILITY IDENTIFIER: I-BDL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 36B ILS RWY 6 (CAT II), ILS RWY 6 (CAT III) 04 JUN 2009						SUP: AMDT: 36A DATED 01/18/2007			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT.

*2500 WHEN ASSIGNED BY ATC

CITY AND STATE

WINDSOR LOCKS, CT

ELEVATION: 173 TDZE: 173

AIRPORT NAME:

BRADLEY INTL

FACILITY
IDENTIFIER:

I-BDL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 6, AMDT 36B
ILS RWY 6 (CAT II), ILS RWY 6 (CAT III)

04 JUN 2009

SUP:

AMDT: 36A

DATED: 01/18/2007

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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: 5.82 MILES AFTER MOTEL CLIMB TO 3000 VIA BDL R-236 TO DITTI INT/BDL 10.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 4000 THEN LEFT TURN DIRECT HFD VOR/DME AND HOLD SE, RT, 334.12 INBOUND. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 056.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SE HFD VOR/DME, RT, 334.12 INBOUND. CHART FAS OBST: 267 TREE 415746N/0723945W DO NOT CHART OM CHART VDP AT 0.53 DME; DISTANCE VDP TO THLD 0.90 MILES. CHART IN PLANVIEW: HFD VOR/DME.							
BDL VORTAC	KIBBE INT/I-MYQ 12.54 DME	058.88 / 13.85						3000									
PUT VOR/DME (IAF)	KIBBE INT/I-MYQ 12.54 DME (NOPT)	301.92 / 29.37						3000									
KIBBE INT/I-MYQ 12.54 DME (IF/IAF)	MOTEL INT/I-MYQ 5.44 DME	238.39 / 7.10 (I-MYQ)						2100									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE KIBBE, LT, 238.39 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 238.39 FAF: MOTEL INT/I-MYQ 5.44 DME DIST FAF TO MAP: 5.82 THLD: 5.82 4. MIN. ALT: KIBBE 3000, MOTEL 2100 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: 1374 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: 970 6. MIN GS INCPT: 2100 GS ALT AT: MOTEL 2100 OM: <u> </u> MM: <u> </u> IM: 288 7. GS ANGLE: 3.00 TCH: 54.7 8. MSA FROM: BDL VORTAC 010-190 2800, 190-010 3400														MAG VAR: 14W		EPOCH YEAR: 1980	
MINIMUMS																	
TAKEOFF: <u> </u>		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N/A		ILS: STANDARD # <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 24		370	1800	200	370	1800	200	370	1800	200	370	1800	200				
S-LOC 24		540	2400	370	540	2400	370	540	2400	370	540	4000	370				
CIRCLING		680	1	507	680	1	507	680	1 1/2	507	1000	2 3/4	827				
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART PROFILE NOTE: I-MYQ DME UNUSABLE INSIDE 0.5 DME																	
# CAT D 900-2 3/4 @ CAT D 900-2 3/4																	
CITY AND STATE WINDSOR LOCKS, CT		ELEVATION: 173 TDZE: 170 AIRPORT NAME: BRADLEY INTL		FACILITY IDENTIFIER: I-MYQ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 10C 04 JUN 2009						SUP:					
												AMDT:		10B			
												DATED		05/08/2003			

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												
BDL VORTAC	HADUX INT/I-KX 12.16 DME	148.80 / 11.79	2500	ILS: DA LOC: 4.38 MILES AFTER HOMEY INT/6.16 DME OR AT IDOCO/I-KX 1.79 DME FIX CLIMB TO 3500 VIA BDL VORTAC R-328 TO MISTR INT/BDL 10.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500; OR WHEN DIRECTED BY ATC, CLIMB TO 4000 THEN RIGHT TURN DIRECT BAF VORTAC AND HOLD E, LT, 274.75 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 148.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E BAF VORTAC, LT, 274.75 INBOUND. CHART FAS OBST: 249 TOWER 415238N/0723637W CHART VDP AT 2.45 DME; DISTANCE VDP TO THLD 1.16 MILES. CHART IN PLANVIEW: BAF VORTAC.											
ORW VOR/DME (IAF)	HADUX INT/I-KX 12.16 DME (NOPT)	317.29 / 26.99	2500												
HFD VOR/DME (IAF)	HADUX INT/I-KX 12.16 DME (NOPT)	024.85 / 9.88	2500												
HADUX INT/I-KX 12.16 DME (IF/IAF)	HOMY INT/I-KX 6.16 DME	328.39 / 6.00	1800												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE HADUX, RT, 328.39 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>328.39</u> FAF: <u>HOMY INT/I-KX 6.16 DME</u> DIST FAF TO MAP: <u>4.38</u> THLD: <u>4.87</u> 4. MIN. ALT: <u>HADUX 2500, HOMY 1800</u> 5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1081</u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>HOMY INT/I-KX 6.16 DME 1800</u> OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.6</u> 8. MSA FROM: <u>BDL VORTAC 190-010 2800, 010-190 3400</u>				MAG VAR: <u>14W</u> EPOCH YEAR: <u>1980</u>											
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 33	371	4000	200	371	4000	200	371	4000	200	371	4000	200			
S-LOC 33	600	4000	429	600	4000	429	600	6000	429	600	1 1/2	429			
CIRCLING	680	1	507	680	1	507	680	1 1/2	507	1000	2 3/4	827			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 33 CAT C. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ORW VOR/DME VIA AIRWAY RADIALS 259 CW 011 AND HFD VOR/DME AIRWAY RADIAL 053. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.															
CITY AND STATE		ELEVATION: 173 TDZE: 171		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
WINDSOR LOCKS, CT		AIRPORT NAME:		I-KX		ILS OR LOC RWY 33, AMDT 9B				AMDT: 9A					
		BRADLEY INTL				04 JUN 2009				DATED 09/25/2008					

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 9, 18, 27, STANDARD.

RWY 36, 300 – 1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 322 FT PER NM TO 900.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 36 – CLIMB HEADING 002.14 TO 1200 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, POLES BEGINNING 1203' FROM DER, FROM LEFT TO RIGHT OF CENTERLINE, UP TO 32' AGL/647' MSL. BUILDING 1882' FROM DER, 964' LEFT OF CENTERLINE, 50' AGL/668' MSL. TOWER 4314' FROM DER, 664' LEFT OF CENTERLINE, 149' AGL/764' MSL. NOTE: RWY 18, TREES BEGINNING 381' FROM DER, 440' RIGHT OF CENTERLINE, UP TO 42' AGL/661' MSL. NOTE: RWY 27, HANGAR AND BUILDING BEGINNING 254' FROM DER, 69' RIGHT OF CENTERLINE, UP TO 26' AGL/641' MSL. TREES, ANTENNAS, ANTENNAS ON BUILDINGS, SIGNS, LIGHT POLES, AND ROAD WITH VEHICLES BEGINNING 326' FROM DER, FROM LEFT TO RIGHT OF CENTERLINE, UP TO 68' AGL/683' MSL. TANK 575' FROM DER, 65' LEFT OF CENTERLINE, 16' AGL/630' MSL. NOTE: RWY 36, POLE 5546' FROM DER, 1932' RIGHT OF CENTERLINE, 164' AGL/777' MSL.

(4) CONTROLLING OBSTACLES:

RWY 36: 777 MSL POLE 413305.00N/0873114.00W, 1020 MSL TOWER 413444.12N/0873247.15W.

(5) City, State

CHICAGO, IL

(6) Airport

LANSING MUNI

(7) Effective Date

04 JUN 2009

(8) Amdt. No.

5



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	
WYNET	OVAPE (FB)	346.07 / 17.89	2700	LNAV: RW08 CLIMB TO 2700 DIRECT CIBOM AND VIA 352.12 TRACK TO EPRUC AND VIA 272.09 TRACK TO PLL VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART FAS OBST: 974 TOWER 414931N/0892954W MINNR TO RW8: 3.04/40.
YAPUN (IAF)	UVOVE (NOPT) (FB)	171.68 / 9.77	2700	
OVAPE (IAF)	UVOVE (NOPT) (FB)	351.72 / 5.00	2700	
UVOVE (IF/IAF)	MINNR (FB)	081.71 / 6.11	2400	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W UVOVE, RT, 081.71 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
- FAC: 081.80 FAF: MINNR DIST FAF TO MAP: 4.89 THLD: 4.89
- MIN. ALT: UVOVE 2700, MINNR 2400
- 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 NOT CLEAR
- MSA FROM: RW08 2500

MAG VAR: 2W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	X									
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		1280	1	498	1280	1	498	1280	1 1/4	498		NA				
CIRCLING		1500	1	715	1520	1	735	1520	2	735		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE ROCHELLE MUNI-KORITZ FIELD ALTIMETER SETTING, WHEN NOT RECEIVED USE WHITESIDE
 CO-JOS H BITORF FLD ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WYNET VIA V127 SOUTHBOUND.

CITY AND STATE	ELEVATION: 785 TDZE: 782	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 04 JUN 2009	SUP:
DIXON, IL	AIRPORT NAME: DIXON MUNI-CHARLES R WALGREEN FIELD			AMDT: NONE
				DATED

QUALITY
CHECKED

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

[illegible]

CITY AND STATE DIXON, IL	ELEVATION: 785 TDZE: 782 AIRPORT NAME: DIXON MUNI-CHARLES R WALGREEN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 04 JUN 2009	SUP:
				AMDT: NONE
				DATED:

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

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

SUSAP C73 K5GRW08	0038970819	N41495684W089271612+0100											G

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

SUSAP C73 K5SRW08 K5PG			0	18018002525								M	G

CITY AND STATE

DIXON, IL

ELEVATION: 785

TDZE: 782

AIRPORT NAME:

DIXON MUNI-CHARLES R WALGREEN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

04 JUN 2009

SUP:

AMDT: NONE

DATED:

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	UVOVE	UVOVE	010		HF	R	FB		081.7 (080T)	004.0	02700
	WYNET	WYNET	010		IF		FB				
	WYNET	OVAPE	020	IAF	TF		FB	2.0	346.1 (344T)	017.9	02700
	WYNET	UVOVE	030		TF		FB	1.0	351.7 (350T)	005.0	02700
	YAPUN	YAPUN	010	IAF	IF		FB				
	YAPUN	UVOVE	020		TF		FB	1.0	171.7 (170T)	009.8	02700
		UVOVE	010	FACF	IF		FB				02700
		MINNR	020	FAF	TF		FB	0.5	081.7 (080T)	006.1	02400
		RW08	030	MAP	TF		FO	0.3	081.8 (080T)	004.9	00822

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIBOM	040		DF		FB	1.0			
	EPRUC	050		TF		FB	1.0	352.1 (350T)		
	PLL	060		TF		FO	1.0	272.1 (270T)		02700
	PLL	070		HM	R	FO	2.0	085.0 (083T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PLL	N415756.31	W0893127.19	N4157.939	W08931.453
	CIBOM	N415107.30	W0891826.10	N4151.122	W08918.435
	EPRUC	N415756.06	W0892001.45	N4157.934	W08920.024
	MINNR	N414905.03	W0893342.42	N4149.084	W08933.707
	OVAPE	N414304.71	W0894033.30	N4143.079	W08940.555
	UVOVE	N414759.79	W0894144.80	N4147.997	W08941.747
	WYNET	N412552.17	W0893359.79	N4125.870	W08933.997
	YAPUN	N415736.95	W0894405.19	N4157.616	W08944.087
	RW08	N414956.84	W0892716.12	N4149.947	W08927.269

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00782	40

QUALITY
CHECKED

CITY AND STATE DIXON, IL	ELEVATION: 785 TDZE: 782	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 04 JUN 2009	SUP:
	AIRPORT NAME: DIXON MUNI-CHARLES R WALGREEN FIELD			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
CHANA (IAF)	ANCUT (NOPT) (FB)	181.83 / 6.44	2700	LPV: DA LNAV/VNAV: DA LNAV: RW26 CLIMB TO 2700 DIRECT JAVNI AND RIGHT TURN VIA 015.48 TRACK TO PLL VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART FAS OBST: 828 BUILDING (HOUSE) 415011N/0892549W CHART FAS OBST: 1024 TOWER 415009N/0892217W DISTANCE TO THLD FROM 323 HAT: 0.89 NM. WAAS CHANNEL # 65712 REFERENCE PATH ID: W26A								
WEPTA (IAF)	ANCUT (NOPT) (FB)	352.06 / 6.94	2700									
ANCUT (IF/IAF)	WLOW (FB)	262.04 / 6.12	2400									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E ANCUT, RT, 262.04 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 261.95 FAF: WLOW DIST FAF TO MAP: 4.88 THLD: 4.88 4. MIN. ALT: ANCUT 2700, WLOW 2400 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: 2400 GS ALT AT: WLOW OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW26 2500				MAG VAR: 2W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: <u> </u> 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
LPV DA	1107	1 1/4	323	1107	1 1/4	323	1107	1 1/4	323		NA	
LNAV/VNAV DA	1377	2	593	1377	2	593	1377	2	593		NA	
LNAV MDA	1340	1	556	1340	1	556	1340	1 1/2	556		NA	
CIRCLING	1500	1	715	1520	1	735	1520	2	735		NA	
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10												
CITY AND STATE		ELEVATION: 785 TDZE: 784		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
DIXON, IL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 26, ORIG			AMDT: NONE			
		DIXON MUNI-CHARLES R WALGREEN FIELD				04 JUN 2009			DATED			



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

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NOTES CONT.

CHART NOTE: USE ROCHELLE MUNI-KORITZ FIELD ALTIMETER SETTING, WHEN NOT RECEIVED USE WHITESIDE
CO-JOS H BITORF FLD ALTIMETER SETTING.

QUALITY
CHECKED

CITY AND STATE

DIXON, IL

ELEVATION: 785 TDZE: 784

AIRPORT NAME:

DIXON MUNI-CHARLES R WALGREEN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

04 JUN 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER C73
RUNWAY RW26
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W26A
LTP/FTP LATITUDE 415003.6100N
LTP/FTP LONGITUDE 0892625.4400W
LTP/FTP ELLIPSOIDAL HEIGHT +02061
FPAP LATITUDE 414947.9300N
FPAP LONGITUDE 0892822.7700W
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 1560
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

2F2E0AF1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02391
FPAP ORTHOMETRIC HEIGHT +02391

QUALITY
4
CHECKED

CITY AND STATE DIXON, IL	ELEVATION: 785 TDZE: 784 AIRPORT NAME: DIXON MUNI-CHARLES R WALGREEN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 04 JUN 2009	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP C73 K5FR26	AANCUT	010ANCUTK5EA0EE	CR	HF		26200040		+ 02700		18000		A JS	
SUSAP C73 K5FR26	ACHANA	010CHANAK5EA0E	A	IF						18000		A JS	
SUSAP C73 K5FR26	ACHANA	020ANCUTK5EA0EE		010TF		18180064		+ 02700				A JS	
SUSAP C73 K5FR26	AWEPTA	010WEPTAK5EA0E	A	IF						18000		A JS	
SUSAP C73 K5FR26	AWEPTA	020ANCUTK5EA0EE		010TF		35210069		+ 02700				A JS	
SUSAP C73 K5FR26	R	010ANCUTK5EA0E	I	IF				+ 02700		18000		A JS	
SUSAP C73 K5FR26	R	020WLLWK5EA1E	F	051TF		26200061		+ 02400			RW26	K5PGA	JS
SUSAP C73 K5FR26	R	020WLLWK5EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP C73 K5FR26	R	030RW26 K5PG0GY	M	031TF		26200049		00824		-300		A JS	
SUSAP C73 K5FR26	R	040JAVNIK5EA0E	M	010DF								A JS	
SUSAP C73 K5FR26	R	050PLL K5D 0VY	R010TFY			0155		+ 02700				A JS	
SUSAP C73 K5FR26	R	060PLL K5D 0VE	HR020HM			08500040		+ 02700				A JS	

[illegible]

QUALITY
4
CHECKED

CITY AND STATE DIXON, IL	ELEVATION: 785 TDZE: 784 AIRPORT NAME: DIXON MUNI-CHARLES R WALGREEN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 04 JUN 2009	SUP:
				AMDT: NONE
				DATED:

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

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

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

	SUSAP C73 K5PR26	RW26 001	0000W26A0N4150036100W08926254400+020610300N4149479300W08928227700106751560000400F4005002F2E0AF1										
	SUSAP C73 K5PR26	RW26 002E	+02391+02391LPV	65712	000								

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

	SUSAP C73 K5SRW26 K5PG	0	18018002525									M	

QUALITY
A
CHECKED

CITY AND STATE
DIXON, IL

ELEVATION: 785 TDZE: 784
 AIRPORT NAME:
 DIXON MUNI-CHARLES R WALGREEN FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 26, ORIG
 04 JUN 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ANCUT	ANCUT	010		HF	R	FB		262.0 (260T)	004.0	02700
	CHANA	CHANA	010	IAF	IF		FB				
	CHANA	ANCUT	020		TF		FB	1.0	181.8 (180T)	006.4	02700
	WEPTA	WEPTA	010	IAF	IF		FB				
	WEPTA	ANCUT	020		TF		FB	1.0	352.1 (350T)	006.9	02700
		ANCUT	010	FACF	IF		FB				02700
		WLOW	020	FAP	TF		FB	0.5	262.0 (260T)	006.1	02400
		RW26	030	MAP	TF		FO	0.3	262.0 (260T)	004.9	00824

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JAVNI	040		DF		FB	1.0			
	PLL	050		TF	R	FO	1.0	015.5 (014T)		02700
	PLL	060		HM	R	FO	2.0	085.0 (083T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PLL	N415756.31	W0893127.19	N4157.939	W08931.453
	ANCUT	N415158.72	W0891155.83	N4151.979	W08911.931
	CHANA	N415825.14	W0891157.39	N4158.419	W08911.957
	JAVNI	N414900.05	W0893419.40	N4149.001	W08934.323
	WEPTA	N414508.46	W0891019.62	N4145.141	W08910.327
	WLOW	N415054.92	W0891959.62	N4150.915	W08919.994
	RW26	N415003.61	W0892625.44	N4150.060	W08926.424

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW26	00784		40

QUALITY
A
CHECKED

CITY AND STATE

DIXON, IL

ELEVATION: 785

TDZE: 784

AIRPORT NAME:

DIXON MUNI-CHARLES R WALGREEN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

04 JUN 2009

SUP:

AMDT: NONE

DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 8, 26, 30, STANDARD

RWY 12, 600-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 1400

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 12 - CLIMB HEADING 123.35 TO 1300 BEFORE TURNING RIGHT

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12, T-L TOWERS BEGINNING 1.20 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 180' AGL/1139' MSL.

NOTE: RWY 8, VEHICLE ON ROAD 336' FROM DER, 184' RIGHT OF CENTERLINE, 15' AGL/812' MSL. ROAD 359' FROM DER ON CENTERLINE, 796' MSL. NOTE: RWY 26, TREES BEGINNING 386' FROM DER, 182' RIGHT AND LEFT OF CENTERLINE, UP TO 52' AGL/833' MSL. MULTIPLE ROOF TOPS AND POLES BEGINNING 164' FROM DER, 360' RIGHT OF CENTERLINE, UP TO 25' AGL/806' MSL. STACK AND RAILROAD TRACKS BEGINNING 570' FROM DER, 304' RIGHT OF CENTERLINE, UP TO 60' AGL/843' MSL.

(4) CONTROLLING OBSTACLES:

RWY 12: 1139 MSL TOWER 414913.80N/0892456.10W, 1110 MSL TOWER 414851.50N/0892519.20W

QUALITY
A
CHECKED

(5) City, State

DIXON, IL

(6) Airport

DIXON MUNI - CHARLES R WALGREEN FIELD

(7) Effective Date

04 JUN 2009

(8) Amdt. No.

2

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				MAP: 8.47 MILES AFTER PLL VOR/DME
				CLIMB TO 2000 THEN CLIMBING LEFT TURN 2600 DIRECT PLL VOR/DME AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 153.00 INBOUND. CHART FAS OBST: 1018 STACK 415138N/0892718W FAC CROSSES 667 L OF RWY 12

1. PT L SIDE OF COURSE 333.07 OUTBOUND 2600 FT WITHIN 10 MILES OF PLL VOR/DME (IAF)
2.
3. FAC 153.07 FAF PLL VOR/DME DIST FAF TO MAP 8.47 THLD
4. MIN. ALT PLL VOR/DME 2500
8. MSA FROM: PLL VOR/DME 2600

MAG VAR: 3E EPOCH YEAR: 1965

MINIMUMS

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
CIRCLING		1500	1	715	1520	1	735		NA			NA				

NOTES:

CHART NOTE: USE ROCHELLE MUNI-KORITZ FIELD ALTIMETER SETTING, WHEN NOT RECEIVED USE WHITESIDE CO-JOS H BITTORF FLD ALTIMETER SETTING.

QUALITY
CHECKED

CITY AND STATE DIXON, IL	ELEVATION: 785 TDZE: AIRPORT NAME: DIXON MUNI-CHARLES R WALGREEN FIELD	FACILITY IDENTIFIER: PLL	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 10 04 JUN 2009	SUP VOR OR GPS-A AMDT 9 DATE 03/17/2005
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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.

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
GOLNY (IAF)	ILLOW (NOPT) (FB)	266.20 / 5.00	3100	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3000 DIRECT MAREH AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.13 INBOUND. CHART FAS OBST: 1141 TREE 385127N/0944425W CHART FAS OBST: 1151 ROD ON OL APBN 385105N/0944432W CHART 1254 TANK 385128N/0944522W. DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 53700 REFERENCE PATH ID: W18A								
EXIBY (IAF)	ILLOW (NOPT) (FB)	086.06 / 5.00	3100									
ILLOW (IF/IAF)	CBLUM (FB)	176.13 / 6.16	2700									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N ILLOW, RT, 176.13 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>176.13</u> FAF: <u>CBLUM</u> DIST FAF TO MAP: <u>4.84</u> THLD: <u>4.84</u> 4. MIN. ALT: <u>ILLOW 3100, CBLUM 2700</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2700</u> GS ALT AT: <u>CBLUM</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 4E EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1346	1	250	1346	1	250	1346	1	250	NA		
LNAV/VNAV DA	1527	1 1/2	431	1527	1 1/2	431	1527	1 1/2	431	NA		
LNAV MDA	1560	1	464	1560	1	464	1560	1 1/4	464	NA		
CIRCLING	1620	1	524	1620	1	524	1620	1 1/2	524	NA		
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSi AND RNAV GLIDE PATH NOT COINCIDENT.												
CITY AND STATE		ELEVATION: 1096 TDZE: 1096		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
OLATHE, KS		AIRPORT NAME: JOHNSON COUNTY EXECUTIVE				RNAV (GPS) RWY 18, AMDT 1A		AMDT: 1				
						02 JUL 2009		DATED 08/03/2006				

QUALITY
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.

TAA

	FROM	TO	ALT
1.	086/30 CW 266/30 (NOPT)	ILLOW (IF/IAF) (FB)	3100
2.	266/30 CW 356/30	GOLNY (IAF) (FB)	3100
3.	356/30 CW 086/30	EXIBY (IAF) (FB)	3100

CITY AND STATE

OLATHE, KS

ELEVATION: 1096 TDZE: 1096

AIRPORT NAME:

JOHNSON COUNTY EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1A

02 JUL 2009

SUP:

AMDT: 1

DATED: 08/03/2006

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	KOJC
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	385111.6000N
LTP/FTP LONGITUDE	0944415.2400W
LTP/FTP ELLIPSOIDAL HEIGHT	+03020
FPAP LATITUDE	384942.4100N
FPAP LONGITUDE	0944415.5000W
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	1504
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER B115E242

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03341
FPAP ORTHOMETRIC HEIGHT	+03341

CITY AND STATE OLATHE, KS	ELEVATION: 1096 TDZE: 1096 AIRPORT NAME: JOHNSON COUNTY EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1A 02 JUL 2009	SUP:
				AMDT: 1
				DATED: 08/03/2006

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 KOJCK3FR18	AEXIBY	010EXIBYK3EA0E	A	IF					18000			A JS	I
SUSAP KOJCK3FR18	AEXIBY	020ILLOWK3EA0EE		010TF		08610050		+ 03100				A JS	I
SUSAP KOJCK3FR18	AGOLNY	010GOLNYK3EA0E	A	IF					18000			A JS	I
SUSAP KOJCK3FR18	AGOLNY	020ILLOWK3EA0EE		010TF		26620050		+ 03100				A JS	I
SUSAP KOJCK3FR18	AILLOW	010ILLOWK3EA0EE	CR	HF		17610050		+ 03100	18000			A JS	I
SUSAP KOJCK3FR18	R	010ILLOWK3EA0E	I	IF				+ 03100	18000			A JS	I
SUSAP KOJCK3FR18	R	020CBLUMK3EA1E	F	051TF		17610062		+ 02700				A JS	I
SUSAP KOJCK3FR18	R	020CBLUMK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	I
SUSAP KOJCK3FR18	R	030RW18 K3PG0GY	M	031TF		17610048		01136		-300		A JS	I
SUSAP KOJCK3FR18	R	040MAREHK3EA0EYM		DF				+ 03000				A JS	I
SUSAP KOJCK3FR18	R	050MAREHK3EA0EE		HR020HM		35610050		+ 03000				A JS	I

[illegible][illegible]

CITY AND STATE OLATHE, KS	ELEVATION: 1096 TDZE: 1096 AIRPORT NAME: JOHNSON COUNTY EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1A 02 JUL 2009	SUP:
				AMDT: 1
				DATED: 08/03/2006

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 424-19 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	EXIBY	EXIBY	010	IAF	IF		FB				
	EXIBY	ILLOW	020		TF		FB	1.0	086.1(090T)	005.0	03100
	GOLNY	GOLNY	010	IAF	IF		FB				
	GOLNY	ILLOW	020		TF		FB	1.0	266.2(270T)	005.0	03100
	ILLOW	ILLOW	010		HF	R	FB		176.1(180T)	005.0	03100
		ILLOW	010	FACF	IF		FB				03100
		CBLUM	020	FAF	TF		FB	0.5	176.1(180T)	006.2	02700
		RW18	030	MAP	TF		FO	0.3	176.1(180T)	004.8	01136

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	MAREH	040		DF		FO				03000
	MAREH	050		HM	R	FO	2.0	356.1(000T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CBLUM	N385602.40	W0944414.40	N3856.040	W09444.240
	EXIBY	N390212.73	W0945038.34	N3902.212	W09450.639
	GOLNY	N390211.37	W0943748.30	N3902.190	W09437.805
	ILLOW	N390212.23	W0944413.32	N3902.204	W09444.222
	MAREH	N383930.45	W0944417.27	N3839.508	W09444.288
	RW18	N385111.60	W0944415.24	N3851.193	W09444.254

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	01096		40

CITY AND STATE
 OLATHE, KS

ELEVATION: 1096 TDZE: 1096
 AIRPORT NAME:
 JOHNSON COUNTY EXECUTIVE

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 18, AMDT 1A
 02 JUL 2009

SUP:
 AMDT: 1
 DATED: 08/03/2006

**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.

CITY AND STATE
OLATHE, KS

ELEVATION: 1096 TDZE: 1096
AIRPORT NAME:
JOHNSON COUNTY EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 1A
02 JUL 2009

SUP:
AMDT: 1
DATED: 08/03/2006

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	

ADDITIONAL FLIGHT DATA:

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. _____
 3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____
 4. MIN. ALT: _____
 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____
 7. GS ANGLE: _____ TCH: _____
 8. MSA FROM: _____

MAG VAR:

EPOCH YEAR:

TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 04 JUN 2009

QUALITY
9
CHECKED

CITY AND STATE LEXINGTON, KY	ELEVATION: 979 TDZE: 977 AIRPORT NAME: BLUE GRASS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG, 07/12/2001	SUP: AMDT: NONE DATED
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US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

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

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. _____
 3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____
 4. MIN. ALT: _____
 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____
 7. GS ANGLE: _____ TCH: _____
 8. MSA FROM: _____

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A												
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 04 JUN 2009

QUALITY
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CITY AND STATE LEXINGTON, KY	ELEVATION: 979 TDZE: 977	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG, 07/12/2001	SUP:
	AIRPORT NAME: BLUE GRASS			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 08, STANDARD.

RWY 26, 300-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 500. ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DEPARTURE END OF RUNWAY.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 08, TREES BEGINNING 15' FROM DER, 32' RIGHT OF CENTERLINE, UP TO 100' AGL/179' MSL. TREES BEGINNING 631' FROM DER, 339' LEFT OF CENTERLINE, UP TO 100' AGL/159' MSL.

NOTE: RWY 26, BUILDING 522' FROM DER, 604' RIGHT OF CENTERLINE, 30' AGL/89' MSL. BUILDING 540' FROM DER, 546' LEFT OF CENTERLINE, 30' AGL/89' MSL. VEHICLE ON ROAD 650' FROM DER, ON CENTERLINE, 17' AGL/67' MSL. TREES BEGINNING 1599' FROM DER, 5' RIGHT OF CENTERLINE, UP TO 100' AGL/179' MSL. TREES BEGINNING 418' FROM DER, 408' LEFT OF CENTERLINE, UP TO 100' AGL/179' MSL. TOWER 1.9 NM FROM DER, 1712' RIGHT OF CENTERLINE, 179' AGL/348' MSL.

(4) CONTROLLING OBSTACLES:

RWY 26: 348 MSL TOWER 395603.44N/0745337.86W

(5) City, State

MOUNT HOLLY, NJ

(6) Airport

SOUTH JERSEY RGNL

(7) Effective Date

04 JUN 2009

(8) Amdt. No.

ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 6, 24 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 383' FROM DER, 425' LEFT OF CENTERLINE, UP TO 100' AGL/249' MSL. TREES BEGINNING 667' FROM DER, 420' RIGHT OF CENTERLINE, UP TO 100' AGL/249' MSL.

NOTE: RWY 24, TREES BEGINNING 653' FROM DER, 570' LEFT OF CENTERLINE, UP TO 100' AGL/239' MSL. TREES BEGINNING 866' FROM DER, 422' RIGHT OF CENTERLINE, UP TO 100' AGL/239' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State BENNETTSVILLE, SC.	(6) Airport MARLBORO COUNTY JETPORT-H.E. AVENT FIELD	(7) Effective Date 04 JUN 2009	(8) Amdt. No. ORIG
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QUALITY
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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 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING 1,705' FROM DER, 1' RIGHT OF CENTERLINE, UP TO 71' AGL/521' MSL. TREES BEGINNING 429' FROM DER, 298' LEFT OF CENTERLINE, UP TO 34' AGL/484' MSL. POWER POLES 430' FROM DER, 298' LEFT OF CENTERLINE, 33' AGL/484' MSL.

NOTE: RWY 35, TREES BEGINNING 2,016' FROM DER, 301' RIGHT OF CENTERLINE, UP TO 59' AGL/511' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

PELION, SC

(6) Airport

LEXINGTON COUNTY AT PELION

(7) Effective Date

04 JUN 2009

(8) Amdt. No.

ORIG

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: ATA NDB
EIC VORTAC	ATA NDB	309.11 / 27.67	2900	CLIMBING LEFT TURN TO 2000 IN ATA NDB HOLDING PATTERN.
LASSA INT	ATA NDB	039.33 / 23.13	2000	
TXK VORTAC	ATA NDB	186.53 / 25.26	2000	
				ADDITIONAL FLIGHT DATA: HOLD SW, LT, 053.06 INBOUND. FAS OBST: 737 TOWER 325952N/0941727W FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

1. PT R SIDE OF COURSE 233.06 OUTBOUND 2000 FT WITHIN 10 MILES OF ATA NDB (IAF)
2. _____
3. FAC 053.06 FAF _____ DIST FAF TO MAP _____ THLD _____
4. MIN. ALT _____
8. MSA FROM: ATA NDB 090-180 3100, 180-090 2000

MAG VAR: 4E 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		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-5		1220	1 1/4	940	1220	1 1/4	940		NA			NA				
CIRCLING		1220	1 1/4	940	1220	1 1/4	940		NA			NA				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: USE TEXARKANA ALTIMETER SETTING, WHEN NOT RECEIVED USE MOUNT PLEASANT ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND ALL CAT B VIS 1/4 MILE.

CITY AND STATE ATLANTA, TX	ELEVATION: 280 TDZE: 280 AIRPORT NAME: HALL MILLER MUNI	FACILITY IDENTIFIER: ATA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 5, AMDT 4 04 JUN 2009	SUP
				AMDT 3
				DATE 08/30/2007

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 15, 33 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 15, VEHICLE ON ROADWAY 21' FROM DER, 291' LEFT OF CENTERLINE, UP TO 15' AGL/124' MSL. TREES BEGINNING 56' FROM DER, 245' RIGHT OF CENTERLINE, UP TO 60' AGL/169' MSL. TREES BEGINNING 98' FROM DER, 231' LEFT OF CENTERLINE, UP TO 60' AGL/169' MSL. TREES BEGINNING 1387' FROM DER, 387' LEFT OF CENTERLINE, UP TO 60' AGL/149' MSL.

NOTE: RWY 33, TREES BEGINNING 115' FROM DER, 276' RIGHT OF CENTERLINE, UP TO 60' AGL/189' MSL. TREES BEGINNING 138' FROM DER, 321' LEFT OF CENTERLINE, UP TO 60' AGL/189' MSL. VEHICLE ON ROADWAY, 163' FROM DER, 524' RIGHT OF CENTERLINE, UP TO 15' AGL/144' MSL. VEHICLE ON ROADWAY, 222' FROM DER, 534' LEFT OF CENTERLINE, UP TO 17' AGL/146' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

EMPORIA, VA

(6) Airport

EMPORIA-GREENSVILLE RGNL

(7) Effective Date

04 JUN 2009

(8) Amdt. No.

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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: 5.59 MILES AFTER SPIDE OM CLIMB TO 7500 THEN LEFT TURN DIRECT DDY VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE CLIMB TO 12000 VIA DDY VORTAC R-137 TO DEALT/DDY 21.00 DME AND HOLD SE, RT, 316.72 INBOUND). ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.66 INBOUND. CHART FAS OBST: 5338 SIGN 425330N/1062844W CHART 5859 TREE 424947N/1063235W CHART DDY R-137 AT HEITY. CHART DDY R-273 AT HIKOX. CHART DDY R-222 AT GIPEC. CHART DDY R-193 AT JATEB. CHART IN PLANVIEW: DEALT/DDY 21.00 DME CHART (LAGPE) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE		
DDY VORTAC (IAF)	GIPEC/DDY 27.00 DME	222.48 / 27.00	8300			
HEITY/DDY 29.00 DME CW (IAF)	JATEB/DDY 29.00 DME	29.00 DME ARC	10300			
JATEB/DDY 29.00 DME CW	ISOYA/DDY 29.00 DME	29.00 DME ARC (DDY LR-204)	8200			
HIKOX/DDY 27.00 DME CCW (IAF)	GIPEC/DDY 27.00 DME	27.00 DME ARC	8300			
GIPEC/DDY 27.00 DME CW	HATNO/DDY 27.00 DME	27.00 DME ARC (DDY LR-213)	7600			
CHOMP/DDY 36.00 DME (IAF)	ISOYA/DDY 29.00 DME	347.00 / 4.06 (HDG) & 031.89 / 3.87 (I-SYD)	8200			
SEE 8260-10						
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 ISOYA/DDY 29.00 DME 3. FAC: <u>031.89</u> FAF: <u>SPIDE OM</u> DIST FAF TO MAP: <u>5.59</u> THLD: <u>5.59</u> 4. MIN. ALT: <u>ISOYA 8200, HATNO 7600, SPIDE OM 7200, MAMUE/DDY 17.09 DME 6140*</u> 5. DIST TO THLD FROM OM: <u>5.59</u> MM: <u>0.48</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>918</u> 6. MIN GS INCPT: <u>7200</u> GS ALT AT: <u>-</u> OM: <u>7188</u> MM: <u>5528</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.2</u> 8. MSA FROM: <u>DDY VORTAC 090-270 9500, 270-090 7600</u>						
				MAG VAR: 12E EPOCH YEAR: 1990		
MINIMUMS						
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: #	
CATEGORY =====>				LOC: STANDARD @		
	A			B		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 3	# 5528	2400	200	# 5528	2400	200
S-LOC 3	6140	2400	812	6140	4000	812
CIRCLING	6140	1	790	6140	1 1/4	790
MAMUE FIX MINIMUMS						
S-LOC 3	5600	2400	272	5600	2400	272
CIRCLING	5780	1	430	5800	1	450
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS-3 CAT E VISIBILITY TO RVR 4000, S-LOC-3 CAT E VISIBILITY TO 3. CHART PLANVIEW NOTE: DME REQUIRED. *LOC ONLY SEE 8260-10						
CITY AND STATE		ELEVATION: 5350 TDZE: 5328		FACILITY IDENTIFIER: I-SYD		
CASPER, WY		AIRPORT NAME:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		
		CASPER/NATRONA COUNTY INTL		ILS OR LOC RWY 3, AMDT 6A		
				04 JUN 2009		
				SUP:		
				AMDT: 6		
				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 CONT.

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ISOYA/DDY 29.00 DME (IF)	HATNO/DDY 27.00 DME	031.89 / 2.01 (I-SYD)	7600
HATNO/DDY 27.00 DME (IF)	SPIDE OM	031.89 / 6.76 (I-SYD)	7200

NOTES CONT.

CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED 230 KIAS.

CHART NOTE: MAMUE FIX MINIMUMS: FOR INOPERATIVE MALSR, INCREASE S-LOC-3 CATS D AND E VISIBILITY TO 1

CHART NOTE: DME FROM DDY VORTAC, SIMULTANEOUS RECEPTION OF I-SYD AND DDY DME REQUIRED.

CHART NOTE: # RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

QUALITY
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CITY AND STATE

CASPER, WY

ELEVATION: 5350 TDZE: 5328

AIRPORT NAME:

CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
I-SYD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 3, AMDT 6A

04 JUN 2009

SUP:

AMDT: 6

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	
EBIYO/DDY 22.00 DME CCW (IAF)	PIPIT INT	22.00 DME ARC	8000	ILS: DA LOC: 3.89 MILES AFTER JOHNO LOM CLIMB TO 7700 VIA HEADING 076.88 AND DDY VORTAC R-159 TO DDY VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 6200 THEN CLIMBING RIGHT TURN TO 8300 DIRECT TO CP LOM AND HOLD W, RT, 076.88 INBOUND. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.66 INBOUND. CHART FAS OBST: 5539 TREE 425436N/1063246W CHART 5699 TREE 425355N/1063411W CHART DDY R-341 AT EBIYO. CHART (ZODVU) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE DO NOT CHART ALTERNATE MISSED APPROACH HOLDING AT CP LOM.
OILLY INT/DDY 31.18 DME (IAF)	PIPIT INT	002.00 / 7.15 (HDG) & 076.88 / 4.64 (I-CPR)	8000	
PIPIT INT (IF)	JOHNO LOM	076.88 / 6.07 (I-CPR)	7000*	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT PIPIT
- FAC: 076.88 FAF: JOHNO LOM DIST FAF TO MAP: 3.89 THLD: 3.89
- MIN. ALT: PIPIT 8000, JOHNO LOM 7000*
- DIST TO THLD FROM OM: 3.89 MM: 0.56 IM: - 150 HAT: - 100 HAT: - GS ANT: 1993
- MIN GS INCPT: 7000 GS ALT AT: - OM: 6700 MM: 5627 IM: -
- GS ANGLE: 3.00 TCH: 102.4
- MSA FROM: CP LOM 090-180 9700, 180-270 8900, 270-360 8000, 360-090 7400

MAG VAR: 12E 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 8		5644	4000	300	5644	4000	300	5644	4000	300			NA			
S-LOC 8		5800	2400	456	5800	2400	456	5800	4000	456			NA			
CIRCLING		5800	1	450	5800	1	450	5800	1 1/2	450			NA			

NOTES:
CHART PROFILE NOTE: GS UNUSABLE ABOVE 7100.
*LOC ONLY
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 8

QUALITY
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CHECKED

CITY AND STATE CASPER, WY	ELEVATION: 5350 TDZE: 5344 AIRPORT NAME: CASPER/NATRONA COUNTY INTL	FACILITY IDENTIFIER: I-CPR	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 8, AMDT 25A 04 JUN 2009	SUP: AMDT: 25 DATED 09/25/2008
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US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
HEITY	AXIBY (FB)	254.14 / 27.16	10800	LPV: DA LNAV/VNAV: DA LNAV: RW03 CLIMB TO 7500 DIRECT KIVSE AND VIA TRACK 022.39 TO DDY VORTAC AND HOLD.											
HIKOX	CEYFI (FB)	161.01 / 22.70	9000												
AXIBY (IAF)	IPEYE (FB)	301.84 / 7.97	8100	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.86 INBOUND. CHART FAS OBST: 5399 POWERLINE 425305N/1062900W CHART FAS OBST: 5519 TREE 425134N/1063000W DISTANCE TO THLD FROM 315 HAT: 0.84 NM. CHART VDP AT 1.27 MILES TO RW03* *LNAV ONLY. WAAS CHANNEL # 73006 REFERENCE PATH ID: W03A											
CHOMP (IAF)	IPEYE (FB)	012.23 / 8.59	8100												
CEYFI (IAF)	IPEYE (FB)	121.66 / 7.97	8100												
IPEYE (IF)	YIWZE (FB)	031.75 / 7.97	7000												
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 IPEYE 3. FAC: <u>031.84</u> FAF: <u>YIWZE</u> DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.03</u> 4. MIN. ALT: <u>IPEYE 8100, YIWZE 7000, NOPT/2.70 NM TO RW03 6240*</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>7000</u> GS ALT AT: <u>YIWZE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.4</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW03 10000</u>				MAG VAR: 12E EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	5643	2400	315	5643	2400	315	5643	2400	315	5643	2400	315			
LNAV/VNAV DA	5691	4000	363	5691	4000	363	5691	4000	363	5691	4000	363			
LNAV MDA	5780	2400	452	5780	2400	452	5780	4000	452	5780	5000	452			
CIRCLING	5780	1	430	5800	1	450	5800	1 1/2	450	5900	2	550			
NOTES: CHART NOTE: FOR INOPERATIVE MALS, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 38C (100F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CHOMP VIA V26 SOUTH WESTBOUND.															
CITY AND STATE		ELEVATION: 5350 TDZE: 5328		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
CASPER, WY		AIRPORT NAME: CASPER/NATRONA COUNTY INTL				RNAV (GPS) RWY 3, AMDT 1A 04 JUN 2009		AMDT: 1							
								DATED 09/25/2008							

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KCPR
RUNWAY RW03
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W03A
LTP/FTP LATITUDE 425336.2485N
LTP/FTP LONGITUDE 1062830.1110W
LTP/FTP ELLIPSOIDAL HEIGHT +16097
FPAP LATITUDE 425448.8300N
FPAP LONGITUDE 1062655.1000W
THRESHOLD CROSSING HEIGHT (TCH) 00052.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0008
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

569EDEFD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +16228
FPAP ORTHOMETRIC HEIGHT +16228

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5328
AIRPORT NAME:
CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 1A
04 JUN 2009

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

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SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCPRK1FR03	ACHOMP	010CHOMPK1EA0E	A	IF					18000		A JS	I
SUSAP	KCPRK1FR03	ACHOMP	020IPEYEK1EA0EE		010TF		01220086	+	08100			A JS	I
SUSAP	KCPRK1FR03	AHEITY	010HEITYK1EA0E		IF					18000		A JS	I
SUSAP	KCPRK1FR03	AHEITY	020AXIBYK1EA0E	A	020TF		25410272	+	10800			A JS	I
SUSAP	KCPRK1FR03	AHEITY	030IPEYEK1EA0EE		010TF		30180080	+	08100			A JS	I
SUSAP	KCPRK1FR03	AHIKOX	010HIKOKX1EA0E		IF					18000		A JS	I
SUSAP	KCPRK1FR03	AHIKOX	020CEYFIK1EA0E	A	020TF		16100227	+	09000			A JS	I
SUSAP	KCPRK1FR03	AHIKOX	030IPEYEK1EA0EE		010TF		12170080	+	08100			A JS	I
SUSAP	KCPRK1FR03	R	010IPEYEK1EA0E	I	IF			+	08100	18000		A JS	I
SUSAP	KCPRK1FR03	R	020YIWZEK1EA1E	F	051TF		03180080	+	07000		RW03	K1PGA JS	I
SUSAP	KCPRK1FR03	R	020YIWZEK1EA2WALPV		ALNAV/VNAV	ALNAV						JS	I
SUSAP	KCPRK1FR03	R	021NOPTEK1EA0E	S	031TF		03180023	V	0624006244	-300		A JS	I
SUSAP	KCPRK1FR03	R	030RW03 K1PGOGY	M	031TF		03190027		05376	-300		A JS	I

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1FR03	R	040KIVSEK1EA0E M	010DF									A JS	I
SUSAP KCPRK1FR03	R	050DDY K1D 0VY	010TF				0224	+ 07500				A JS	I
SUSAP KCPRK1FR03	R	060DDY K1D 0VE	HR020HM				20470070	+ 07500				A JS	I

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1GRW03	0101650319 N42533625W106283011+0000	+1609705324000053150I											

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1PR03	RW03 001 0000W03A0N4253362485W10628301110+160970300N4254488300W10626551000106750008000524F400500569EDEFDI												
SUSAP KCPRK1PR03	RW03 002E +16228+16228LPV 73006											I	

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1SRW03 K1PG	0 18018010025											M	I

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5328
 AIRPORT NAME:
 CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 3, AMDT 1A
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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
	CHOMP	CHOMP	010	IAF	IF		FB				
	CHOMP	IPEYE	020		TF		FB	1.0	012.2 (024T)	008.6	08100
	HEITY	HEITY	010		IF		FB				
	HEITY	AXIBY	020	IAF	TF		FB	2.0	254.1 (266T)	027.2	10800
	HEITY	IPEYE	030		TF		FB	1.0	301.8 (314T)	008.0	08100
	HIKOX	HIKOX	010		IF		FB				
	HIKOX	CEYFI	020	IAF	TF		FB	2.0	161.0 (173T)	022.7	09000
	HIKOX	IPEYE	030		TF		FB	1.0	121.7 (134T)	008.0	08100
		IPEYE	010	FACF	IF		FB				08100
		YIWZE	020	FAF	TF		FB	0.5	031.8 (044T)	008.0	07000
		NOPT	021	SDF	TF		FB	0.3	031.8 (044T)	002.3	0624006244
		RW03	030	MAP	TF		FO	0.3	031.9 (044T)	002.7	05376

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KIVSE	040		DF		FB	1.0			
	DDY	050		TF		FO	1.0	022.4 (034T)		07500
	DDY	060		HM	R	FO	2.0	204.7 (217T)	007.0	07500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DDY	N430527.08	W1061637.29	N4305.451	W10616.622
	AXIBY	N423842.27	W1063255.84	N4238.705	W10632.931
	CEYFI	N424943.83	W1064833.34	N4249.731	W10648.556
	CHOMP	N423623.25	W1064530.94	N4236.388	W10645.516
	HEITY	N424037.78	W1055612.52	N4240.630	W10556.209
	HIKOX	N431216.25	W1065218.54	N4312.271	W10652.309
	IPEYE	N424413.32	W1064043.90	N4244.222	W10640.732
	KIVSE	N425545.97	W1062540.25	N4255.766	W10625.671
	NOPT	N425139.44	W1063102.82	N4251.657	W10631.047
	YIWZE	N424958.70	W1063314.33	N4249.978	W10633.239
	RW03	N425336.25	W1062830.11	N4253.604	W10628.502

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW03	05324		53

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5328
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 3, AMDT 1A
 04 JUN 2009

SUP:
 AMDT: 1
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US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
OILLY	CELIX (FB)	056.37 / 5.51	9000	LPV: DA LNAV/VNAV: DA LNAV: RW08 CLIMB TO 7700 DIRECT ROVEE AND VIA TRACK 015.02 TO DDY VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.66 INBOUND. CHART FAS OBST: 5419 POWERLINE 425411N/1062938W CHART FAS OBST: 5539 TREE 425346N/1063228W CHART: 5619 TREE 425341N/1063322W DISTANCE TO THLD FROM 250 HAT: 0.61 NM. CHART VDP AT 1.26 MILES TO RW08* *LNAV ONLY. WAAS CHANNEL # 86306 REFERENCE PATH ID: W08A											
ALCOS	CELIX (FB)	272.61 / 7.26	9000												
JUMKO	FEBUP (FB)	166.71 / 6.07	8500												
CELIX (IAF)	HONED (FB)	346.71 / 5.00	7800												
FEBUP (IAF)	HONED (FB)	166.71 / 5.00	7800												
HONED (IF)	WASPI (FB)	076.71 / 6.34	7000												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HONED 3. FAC: <u>076.80</u> FAF: <u>WASPI</u> DIST FAF TO MAP: <u>4.96</u> THLD: <u>4.96</u> 4. MIN. ALT: <u>HONED 7800, WASPI 7000, EBICI/3.00 NM TO RW08 6360*</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>7000</u> GS ALT AT: <u>WASPI</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW08 10000</u>															
				MAG VAR: 12E EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N/A															
STANDARD															
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	5594	2400	250	5594	2400	250	5594	2400	250	5594	2400	250			
LNAV/VNAV DA	5689	4000	345	5689	4000	345	5689	4000	345	5689	4000	345			
LNAV MDA	5800	2400	456	5800	2400	456	5800	4000	456	5800	5000	456			
CIRCLING	5800	1	450	5800	1	450	5800	1 1/2	450	5900	2	550			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 38C (100F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OILLY VIA V235 SOUTHWEST BOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 5350 TDZE: 5344		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CASPER, WY		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 8, AMDT 1A				AMDT: 1					
		CASPER/NATRONA COUNTY INTL				04 JUN 2009				DATED 09/25/2008					

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INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.*****LNAV ONLY**

QUALITY
9
CHECKED

CITY AND STATE

CASPER, WY

ELEVATION: 5350

TDZE: 5344

AIRPORT NAME:

CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, AMDT 1A

04 JUN 2009

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AMDT:

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DATED: 09/25/2008

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KCPR
RUNWAY RW08
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W08A
LTP/FTP LATITUDE 425430.5445N
LTP/FTP LONGITUDE 1062854.8610W
LTP/FTP ELLIPSOIDAL HEIGHT +16156
FPAP LATITUDE 425432.2000N
FPAP LONGITUDE 1062658.2800W
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 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

F6F3E8E1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +16288
FPAP ORTHOMETRIC HEIGHT +16288

QUALITY
9
CHECKED

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5344
AIRPORT NAME:
CASPER/NATRONA COUNTY INTL

FACILITY
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SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCPRK1FR08	AALCOS	010ALCOSK1EA0E		IF					18000		A JS	I
SUSAP	KCPRK1FR08	AALCOS	020CELIXK1EA0E	A	020TF		27260073	+	09000			A JS	I
SUSAP	KCPRK1FR08	AALCOS	030HONEDK1EA0EE		010TF		34670050	+	07800			A JS	I
SUSAP	KCPRK1FR08	ACELIX	010CELIXK1EA0E	A	IF					18000		A JS	I
SUSAP	KCPRK1FR08	ACELIX	020HONEDK1EA0EE		010TF		34670050	+	07800			A JS	I
SUSAP	KCPRK1FR08	AFEBUP	010FEBUPK1EA0E	A	IF					18000		A JS	I
SUSAP	KCPRK1FR08	AFEBUP	020HONEDK1EA0EE		010TF		16670050	+	07800			A JS	I
SUSAP	KCPRK1FR08	AJUMKO	010JUMKOK1EA0E		IF					18000		A JS	I
SUSAP	KCPRK1FR08	AJUMKO	020FEBUPK1EA0E	A	020TF		16670061	+	08500			A JS	I
SUSAP	KCPRK1FR08	AJUMKO	030HONEDK1EA0EE		010TF		16670050	+	07800			A JS	I
SUSAP	KCPRK1FR08	AOILLY	010OILLYK1EA0E		IF					18000		A JS	I
SUSAP	KCPRK1FR08	AOILLY	020CELIXK1EA0E	A	020TF		05640055	+	09000			A JS	I
SUSAP	KCPRK1FR08	AOILLY	030HONEDK1EA0EE		010TF		34670050	+	07800			A JS	I

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KCPRK1FR08	R	010HONEDK1EA0E	I	IF				+ 07800	18000		A JS	I
	SUSAP KCPRK1FR08	R	020WASPIK1EA1E	F	051TF		07670063		+ 07000		RW08	K1PGA JS	I
	SUSAP KCPRK1FR08	R	020WASPIK1EA2WALPV		ALNAV/VNAV ALNAV							JS	I
	SUSAP KCPRK1FR08	R	021EBICIK1EA0E	S	031TF		07680030	V	0636006363	-300		A JS	I
	SUSAP KCPRK1FR08	R	030RW08 K1PGOGY	M	031TF		07680030		05399	-300		A JS	I
	SUSAP KCPRK1FR08	R	040ROVEEK1EA0E	M	010DF							A JS	I
	SUSAP KCPRK1FR08	R	050DDY K1D	0VY	010TF		0150		+ 07700			A JS	I
	SUSAP KCPRK1FR08	R	060DDY K1D	0VE	HR020HM		20470070		+ 07700			A JS	I
	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KCPRK1GRW08		0086790769	N42543054W106285486-0200		+16156053440000!!150I							I
	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KCPRK1PR08	RW08	001 0000W08A0N4254305445W10628548610+161560300N4254322000W10626582800106750000000550F400500F6F3E8E1I										
	SUSAP KCPRK1PR08	RW08	002E	+16288+16288LPV		86306							I
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KCPRK1SRW08	K1PG		0	18018010025							M	I

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ALCOS	ALCOS	010		IF		FB				
	ALCOS	CELI	020	IAF	TF		FB	2.0	272.6 (285T)	007.3	09000
	ALCOS	HONED	030		TF		FB	1.0	346.7 (359T)	005.0	07800
	CELI	CELI	010	IAF	IF		FB				
	CELI	HONED	020		TF		FB	1.0	346.7 (359T)	005.0	07800
	FEBUP	FEBUP	010	IAF	IF		FB				
	FEBUP	HONED	020		TF		FB	1.0	166.7 (179T)	005.0	07800
	JUMKO	JUMKO	010		IF		FB				
	JUMKO	FEBUP	020	IAF	TF		FB	2.0	166.7 (179T)	006.1	08500
	JUMKO	HONED	030		TF		FB	1.0	166.7 (179T)	005.0	07800
	OILLY	OILLY	010		IF		FB				
	OILLY	CELI	020	IAF	TF		FB	2.0	056.4 (068T)	005.5	09000
	OILLY	HONED	030		TF		FB	1.0	346.7 (359T)	005.0	07800
		HONED	010	FACF	IF		FB				07800
		WASPI	020	FAF	TF		FB	0.5	076.7 (089T)	006.3	07000
		EBICI	021	SDF	TF		FB	0.3	076.8 (089T)	003.0	0636006363
		RW08	030	MAP	TF		FO	0.3	076.8 (089T)	003.0	05399

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ROVEE	040		DF		FB	1.0			
	DDY	050		TF		FO	1.0	015.0 (027T)		07700
	DDY	060		HM	R	FO	2.0	204.7 (217T)	007.0	07700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DDY	N430527.08	W1061637.29	N4305.451	W10616.622
	ALCOS	N424726.75	W1063435.37	N4247.446	W10634.590
	CELI	N424916.25	W1064408.02	N4249.271	W10644.134
	EBICI	N425426.95	W1063259.74	N4254.449	W10632.996
	FEBUP	N425916.25	W1064426.40	N4259.271	W10644.440
	HONED	N425416.25	W1064417.20	N4254.271	W10644.287
	JUMKO	N430520.22	W1064437.60	N4305.337	W10644.627
	OILLY	N424714.67	W1065105.24	N4247.245	W10651.087
	ROVEE	N425434.51	W1062411.60	N4254.575	W10624.193
	WASPI	N425424.52	W1063539.70	N4254.409	W10635.662
	RW08	N425430.54	W1062854.86	N4254.509	W10628.914

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5344
 AIRPORT NAME:
 CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 8, AMDT 1A
 04 JUN 2009

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

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 4, 22 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREES BEGINNING 14' FROM DER, 200' RIGHT OF CENTERLINE, UP TO 100' AGL/419' MSL. TREES BEGINNING 470' FROM DER, 54' LEFT OF CENTERLINE, UP TO 100' AGL/429' MSL. VEHICLES ON ROADWAY BEGINNING 417' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15' AGL/344' MSL.

NOTE: RWY 22, TREES BEGINNING 16' FROM DER, 275' RIGHT OF CENTERLINE, UP TO 100' AGL/409' MSL. VEHICLES ON ROADWAY BEGINNING 30' FROM DER, 298' RIGHT OF CENTERLINE, UP TO 17' AGL/326' MSL. TREES BEGINNING 340' FROM DER, 230' LEFT OF CENTERLINE, UP TO 100' AGL/379' MSL. TREES BEGINNING 1164' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/369' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

FLORALA, AL

(6) Airport

FLORALA MUNI

(7) Effective Date

02 JUL 2009

(8) Amdt. No.

ORIG

QUALITY
2

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 02 JUL 2009

CITY AND STATE ANKENY, IA	ELEVATION: 910 TDZE: 891 AIRPORT NAME: ANKENY RGNL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 36, AMDT 2A, 07/12/2001	SUP AMDT 2 DATE 02/12/1999
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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	ILS: DA LOC: 4.84 MILES AFTER RROBN/5.92 DME/RADAR OR AT I-FVH 1.09 DME FIX CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TNU VOR/DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT DSM VORTAC AND HOLD SW, RT, 042.03 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 236.01 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW DSM VORTAC, RT, 042.03 INBOUND. CHART FAS OBST: 967 POLE 414031N/0933346W CHART IN PLANVIEW: DSM VORTAC. CHART VDP AT 2.36 DME. DISTANCE VDP TO THLD 1.27 MILES.											
ZAGTU INT/I-FVH 12.57 DME/RADAR (IF/IAF)	RROBN/I-FVH 5.92 DME/RADAR	357.02 / 6.65 (I-FVH)	2500												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT ZAGTU INT/I-FVH 12.57 DME/RADAR 3. FAC: <u>357.02</u> FAF: <u>RROBN/I-FVH 5.92 DME/RADAR</u> DIST FAF TO MAP: <u>4.84</u> THLD: <u>4.84</u> 4. MIN. ALT: <u>ZAGTU 3000, RROBN/I-FVH 5.92 DME/RADAR 2500</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>1048</u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>RROBN/I-FVH 5.92 DME/RADAR 2500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.2</u> 8. MSA FROM: <u>TNU VOR/DME 4000</u>				MAG VAR: 3E EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 36	1141	3/4	250	1141	3/4	250	1141	3/4	250		NA				
S-LOC 36	1320	1	429	1320	1	429	1320	1 1/4	429		NA				
CIRCLING	1560	1	650	1560	1	650	1560	1 3/4	650		NA				
NOTES: CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DES MOINES INTL ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE				ELEVATION: 910 TDZE: 891		FACILITY IDENTIFIER: I-FVH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS RWY 36			
ANKENY, IA				AIRPORT NAME: ANKENY RGNL				ILS OR LOC RWY 36, AMDT 1				AMDT: ORIG			
								02 JUL 2009				DATED 10/04/2001			

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

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NOTES CONT.

INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET. INCREASE S-ILS 36 ALL CATS, AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING DES MOINES INTL ALTIMETER SETTING. CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZAGTU VIA V77 SOUTHWEST BOUND.

CITY AND STATE

ANKENY, IA

ELEVATION: 910

TDZE: 891

AIRPORT NAME:

ANKENY RGNL

FACILITY
IDENTIFIER:

I-FVH

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 36, AMDT 1

02 JUL 2009

SUP:

ILS RWY 36

AMDT:

ORIG

DATED:

10/04/2001

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV: RW36 CLIMB TO 4000 DIRECT HAGVO AND RIGHT TURN VIA 086.57 TRACK TO CINOR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 258.66 INBOUND. CHART FAS OBST: 1165 ROD 413937N/0933506W CHART 1446 TOWER 413805N/0933445W. CHART 959 TRMSN POLE 414031N/0933356W. DISTANCE TO THLD FROM 285 HAT: 0.74 NM. CHART VDP AT 1.40 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 70512 REFERENCE PATH ID: W36A	
MIXIN	EGIWO (FB)	203.65 / 8.37	4000		
EGIWO (IAF)	ZAGTU (FB)	267.09 / 5.00	3000		
ZAGTU (IF/IAF)	RROBN (FB)	357.02 / 6.65	2500		
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ZAGTU 3. FAC: <u>357.02</u> FAF: <u>RROBN</u> DIST FAF TO MAP: <u>4.84</u> THLD: <u>4.84</u> 4. MIN. ALT: <u>ZAGTU 3000, RROBN 2500, PARRI/2.50 NM TO RW36 1700*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>RROBN</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>51.2</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW36 4000</u>				MAG VAR: 3E EPOCH YEAR: 2000	
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
LPV DA	1176	1	285	1176	1
LNAV MDA	1360	1	469	1360	1 1/4
CIRCLING	1560	1	650	1560	1 3/4
NOTES: CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10					
CITY AND STATE ANKENY, IA		ELEVATION: 910 TDZE: 891 AIRPORT NAME: ANKENY RGNL		FACILITY IDENTIFIER: RNAV	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 02 JUL 2009				SUP: AMDT: NONE DATED	

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

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NOTES CONT.***LNAV ONLY**

CHART NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DES MOINES INTL ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET. INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE. VDP NA WHEN USING DES MOINES INTL ALTIMETER SETTING.

CITY AND STATE

ANKENY, IA

ELEVATION: 910

TDZE: 891

AIRPORT NAME: ANKENY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KIKV
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 414057.2100N
LTP/FTP LONGITUDE 0933356.9765W
LTP/FTP ELLIPSOIDAL HEIGHT +02393
FPAP LATITUDE 414152.0400N
FPAP LONGITUDE 0933356.9500W
THRESHOLD CROSSING HEIGHT (TCH) 00051.2
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 104.75
LENGTH OFFSET 0016
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

ACA3DEE8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +02706
FPAP ORTHOMETRIC HEIGHT +02706

CITY AND STATE

ANKENY, IA

ELEVATION: 910 TDZE: 891

AIRPORT NAME: ANKENY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIKVK3FR36	AMIXIN	010MIXINK3EA0E	IF							18000		A JS	G
SUSAP KIKVK3FR36	AMIXIN	020EGIWOK3EA0E	A 020TF			20370084		+ 04000				A JS	G
SUSAP KIKVK3FR36	AMIXIN	030ZAGTUK3EA0EE	010TF			26710050		+ 03000				A JS	G
SUSAP KIKVK3FR36	R	010ZAGTUK3EA0E	I IF					+ 03000		18000		A JS	G
SUSAP KIKVK3FR36	R	020RROBNK3EA1E	F 051TF			35700067		+ 02500			RW36	K3PGA JS	G
SUSAP KIKVK3FR36	R	020RROBNK3EA2WALPV		N		ALNAV						JS	G
SUSAP KIKVK3FR36	R	021PARRIK3EA0E	S 031TF			35700023		V 0170001741		-300		A JS	G
SUSAP KIKVK3FR36	R	030RW36 K3PGOG	M 031TF			35700025		00939		-300		A JS	G
SUSAP KIKVK3FR36	R	040HAGVOK3EA0E	M 010DF									A JS	G
SUSAP KIKVK3FR36	R	050CINORK3EA0EY	010TF			0866		+ 04000				A JS	G
SUSAP KIKVK3FR36	R	060CINORK3EA0EE	HR020HM			25870040		+ 04000				A JS	G

[illegible][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]

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
	MIXIN	MIXIN	010		IF		FB				
	MIXIN	EGIWO	020	IAF	TF		FB	2.0	203.7 (207T)	008.4	04000
	MIXIN	ZAGTU	030		TF		FB	1.0	267.1 (270T)	005.0	03000
		ZAGTU	010	FACF	IF		FB				03000
		RROBN	020	FAF	TF		FB	0.5	357.0 (360T)	006.7	02500
		PARRI	021	SDF	TF		FB	0.3	357.0 (360T)	002.3	0170001741
		RW36	030	MAP	TF		FB	0.3	357.0 (360T)	002.5	00939

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HAGVO	040		DF		FB	1.0			
	CINOR	050		TF	R	FO	1.0	086.6 (090T)		04000
	CINOR	060		HM	R	FO	2.0	258.7 (262T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CINOR	N414531.17	W0932010.27	N4145.520	W09320.171
	EGIWO	N412927.38	W0932718.10	N4129.456	W09327.302
	HAGVO	N414527.34	W0933356.85	N4145.456	W09333.948
	MIXIN	N413656.77	W0932218.19	N4136.946	W09322.303
	PARRI	N413827.14	W0933357.05	N4138.452	W09333.951
	RROBN	N413606.84	W0933357.12	N4136.114	W09333.952
	ZAGTU	N412927.68	W0933357.30	N4129.461	W09333.955
	RW36	N414057.21	W0933356.98	N4140.954	W09333.950

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00888	51

QUALITY
1
CHECKED

CITY AND STATE
ANKENY, IA

ELEVATION: 910 TDZE: 891
AIRPORT NAME: ANKENY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG
02 JUL 2009

SUP:
AMDT: NONE
DATED:

FLIGHT STANDARDS SERVICE - FAR PART 97.27

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

TERMINAL ROUTES										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 02 JUL 2009																	
CITY AND STATE CHEROKEE, IA				ELEVATION: 1226 TDZE: 1226 AIRPORT NAME: CHEROKEE COUNTY RGNL				FACILITY IDENTIFIER: CKP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS RWY 36, AMDT 4, 02/06/1992				SUP AMDT 3 DATE 04/05/89			

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		LNAV: RW36 CLIMBING RIGHT TURN TO 3000 DIRECT YACYU AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1424 TREE 424141N/0953239W CHART VDP AT 1.06 MILES TO RW36. ATNUY TO RW36: 3.05/40.							
CUSHO		BAMDY (FB)		024.56 / 8.10				3000									
NEMAH		ACLIK (FB)		271.38 / 14.11				3000									
CISAC		YACYU (FO)		179.34 / 21.85				3000									
BAMDY (IAF)		YACYU (NOPT) (FB)		087.63 / 5.00				3000									
ACLIK (IAF)		YACYU (NOPT) (FB)		267.79 / 5.00				3000									
YACYU (IF/IAF)		ATNUY (FB)		357.71 / 6.10				3000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S YACYU, RT, 357.71 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 357.72 FAF: ATNUY _____ DIST FAF TO MAP: 5.36 THLD: 5.36 4. MIN. ALT: YACYU 3000, ATNUY 3000, CAPLO/2.30 NM TO RW36 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW36 3000												MAG VAR: 5E EPOCH YEAR: 1985					
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	1680	1	453	1680	1	453		NA			NA						
CIRCLING	1800	1	573	1800	1	573		NA			NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CISAC VIA V219 NORTHEAST BOUND. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. SEE 8260-10																	
CITY AND STATE CHEROKEE, IA				ELEVATION: 1227 TDZE: 1227 AIRPORT NAME: CHEROKEE COUNTY RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 36, ORIG 02 JUL 2009				SUP: AMDT: NONE DATED			

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

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NOTES CONT.**CHART NOTE: CIRCLING TO RWY 1-19 NA.****CHART NOTE: CIRCLING NA AT NIGHT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STORM LAKE ALTIMETER SETTING AND INCREASE ALL MDA 80 FT.****CHART NOTE: VDP NA WHEN USING STORM LAKE ALTIMETER SETTING.**

CITY AND STATE

CHEROKEE, IA

ELEVATION: 1227 TDZE: 1227

AIRPORT NAME:

CHEROKEE COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 36, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCKPK3FR36-Y	ACISAC	010CISACK3EA0E	IF						18000		B JS	G
SUSAP	KCKPK3FR36-Y	ACISAC	020YACYUK3EA0EY	A 020TF		17930219		+ 03000				B JS	G
SUSAP	KCKPK3FR36-Y	ACISAC	030YACYUK3EA0EE	CR HF		35770040		+ 03000				B JS	G
SUSAP	KCKPK3FR36-Y	ACUSHO	010CUSHOK3EA0E	IF						18000		B JS	G
SUSAP	KCKPK3FR36-Y	ACUSHO	020BAMDYK3EA0E	A 020TF		02460081		+ 03000				B JS	G
SUSAP	KCKPK3FR36-Y	ACUSHO	030YACYUK3EA0EE	010TF		08760050		+ 03000				B JS	G
SUSAP	KCKPK3FR36-Y	ANEMAH	010NEMAHK3EA0E	IF						18000		B JS	G
SUSAP	KCKPK3FR36-Y	ANEMAH	020ACLIKK3EA0E	A 020TF		27140141		+ 03000				B JS	G
SUSAP	KCKPK3FR36-Y	ANEMAH	030YACYUK3EA0EE	010TF		26780050		+ 03000				B JS	G
SUSAP	KCKPK3FR36-Y	R	010YACYUK3EA0E	I IF				+ 03000		18000		B JS	G
SUSAP	KCKPK3FR36-Y	R	020ATNUYK3EA1E	F 051TF		35770061		+ 03000			RW36	K3PGB JS	G
SUSAP	KCKPK3FR36-Y	R	020ATNUYK3EA2WN		N	ALNAV						JS	G
SUSAP	KCKPK3FR36-Y	R	021CAPLOK3EA0E	S 031TF		35770031		V 0200002016		-305		B JS	G
SUSAP	KCKPK3FR36-Y	R	030RW36 K3PG0GY	M 031TF		35770023		01267		-305		B JS	G
SUSAP	KCKPK3FR36-Y	R	040YACYUK3EA0EYM	R010DF				+ 03000				B JS	G
SUSAP	KCKPK3FR36-Y	R	050YACYUK3EA0EE	HR020HM		35770040		+ 03000				B JS	G

[illegible]

QUALITY
1
CHECKED

CITY AND STATE CHEROKEE, IA	ELEVATION: 1227 TDZE: 1227 AIRPORT NAME: CHEROKEE COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
			RNAV (GPS) Y RWY 36, ORIG	AMDT: NONE
			02 JUL 2009	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.

G

[illegible]

M G

SUP:	
AMDT:	NONE
DATED:	

QUALITY
1
CHECKED

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CISAC	CISAC	010		IF		FB				
	CISAC	YACYU	020	IAF	TF		FO	2.0	179.3 (184T)	021.9	03000
	CISAC	YACYU	030		HF	R	FO		357.7 (003T)	004.0	03000
	CUSHO	CUSHO	010		IF		FB				
	CUSHO	BAMDY	020	IAF	TF		FB	2.0	024.6 (030T)	008.1	03000
	CUSHO	YACYU	030		TF		FB	1.0	087.6 (093T)	005.0	03000
	NEMAH	NEMAH	010		IF		FB				
	NEMAH	ACLIK	020	IAF	TF		FB	2.0	271.4 (276T)	014.1	03000
	NEMAH	YACYU	030		TF		FB	1.0	267.8 (273T)	005.0	03000
		YACYU	010	FACF	IF		FB				03000
		ATNUY	020	FAF	TF		FB	0.5	357.7 (003T)	006.1	03000
		CAPLO	021	SDF	TF		FB	0.3	357.7 (003T)	003.1	0200002016
		RW36	030	MAP	TF		FO	0.3	357.7 (003T)	002.3	01267

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	YACYU	040		DF	R	FO	1.0			03000
	YACYU	050		HM	R	FO	2.0	357.7 (003T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACLIK	N423149.74	W0952720.50	N4231.829	W09527.342
	ATNUY	N423809.84	W0953342.34	N4238.164	W09533.706
	BAMDY	N423218.12	W0954051.15	N4232.302	W09540.853
	CAPLO	N424113.46	W0953330.53	N4241.224	W09533.509
	CISAC	N425351.83	W0953151.75	N4253.864	W09531.863
	CUSHO	N422515.39	W0954615.42	N4225.257	W09546.257
	NEMAH	N423017.20	W0950822.65	N4230.287	W09508.378
	YACYU	N423204.13	W0953405.80	N4232.069	W09534.097
	RW36	N424331.35	W0953321.65	N4243.523	W09533.361

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01227	40

QUALITY
1
CHECKED

CITY AND STATE
CHEROKEE, IA

ELEVATION: 1227 TDZE: 1227
 AIRPORT NAME:
 CHEROKEE COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Y RWY 36, ORIG
 02 JUL 2009

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		LPV: DA LNAV/VNAV: DA CLIMB TO 3200 DIRECT DULMY AND VIA 002.52 TRACK TO CISAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 179.34 INBOUND. CHART FAS OBST: 1404 TREE 424308N/0953239W DISTANCE TO THLD FROM 323 HAT: 0.89 NM. WAAS CHANNEL # 56512 REFERENCE PATH ID: W36A							
CUSHO		BAMDY (FB)		024.56 / 8.10				3000									
NEMAH		ACLIK (FB)		271.38 / 14.11				3000									
CISAC		YACYU (FO)		179.34 / 21.85				3000									
BAMDY (IAF)		YACYU (NOPT) (FB)		087.63 / 5.00				3000									
ACLIK (IAF)		YACYU (NOPT) (FB)		267.79 / 5.00				3000									
YACYU (IF/IAF)		ATNUY (FB)		357.71 / 6.10				3000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S YACYU, RT, 357.71 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 357.72 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: YACYU 3000, ATNUY 3000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: ATNUY _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW36 3000																	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		@					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1550	1 1/4	323	1550	1 1/4	323		NA			NA						
LNAV/VNAV DA	1853	2 1/4	626	1853	2 1/4	626		NA			NA						
CIRCLING	1860	2 1/4	633	1860	2 1/4	633		NA			NA						
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING STORM LAKE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 1227 TDZE: 1227				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
CHEROKEE, IA				AIRPORT NAME:				RNAV				RNAV (GPS) Z RWY 36, ORIG				AMDT: NONE	
				CHEROKEE COUNTY RGNL								02 JUL 2009				DATED	

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

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NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CISAC VIA V219 NORTHEAST BOUND.****CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: CIRCLING TO RWY 1-19 NA.****CHART NOTE: CIRCLING NA AT NIGHT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STORM LAKE ALTIMETER SETTING AND****INCREASE ALL DA 74 FT AND ALL MDA 80 FT AND ALL VISIBILITY 1/4 MILE.**

CITY AND STATE

CHEROKEE, IA

ELEVATION: 1227 TDZE: 1227

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FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 36, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KCKP
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 424331.3460N
LTP/FTP LONGITUDE 0953321.6500W
LTP/FTP ELLIPSOIDAL HEIGHT +03461
FPAP LATITUDE 424500.3800N
FPAP LONGITUDE 0953315.9100W
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 1592
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

95A5DE5C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03739
FPAP ORTHOMETRIC HEIGHT +03739

CITY AND STATE

CHEROKEE, IA

ELEVATION: 1227 TDZE: 1227

AIRPORT NAME:

CHEROKEE COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

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02 JUL 2009

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCKPK3FR36-Z ACISAC 010CISACK3EA0E					IF					18000		A JS	G
SUSAP KCKPK3FR36-Z ACISAC 020YACYUK3EA0EY					020TF		17930219		+ 03000			A JS	G
SUSAP KCKPK3FR36-Z ACISAC 030YACYUK3EA0EE					CR HF		35770040		+ 03000			A JS	G
SUSAP KCKPK3FR36-Z ACUSHO 010CUSHOK3EA0E					IF					18000		A JS	G
SUSAP KCKPK3FR36-Z ACUSHO 020BAMDYK3EA0E					A 020TF		02460081		+ 03000			A JS	G
SUSAP KCKPK3FR36-Z ACUSHO 030YACYUK3EA0EE					010TF		08760050		+ 03000			A JS	G
SUSAP KCKPK3FR36-Z ANEMAH 010NEMAHK3EA0E					IF					18000		A JS	G
SUSAP KCKPK3FR36-Z ANEMAH 020ACLIKK3EA0E					A 020TF		27140141		+ 03000			A JS	G
SUSAP KCKPK3FR36-Z ANEMAH 030YACYUK3EA0EE					010TF		26780050		+ 03000			A JS	G
SUSAP KCKPK3FR36-Z R 010YACYUK3EA0E					I IF				+ 03000	18000		A JS	G
SUSAP KCKPK3FR36-Z R 020ATNUYK3EA1E					F 051TF		35770061		+ 03000		RW36	K3PGA JS	G
SUSAP KCKPK3FR36-Z R 020ATNUYK3EA2WALPV						ALNAV/VNAV N						JS	G
SUSAP KCKPK3FR36-Z R 030RW36 K3PGOGY M					031TF		35770054		01267	-300		A JS	G
SUSAP KCKPK3FR36-Z R 040DULMYK3EA0E					M 010DF							A JS	G
SUSAP KCKPK3FR36-Z R 050CISACK3EA0EY					010TF		0025		+ 03200			A JS	G
SUSAP KCKPK3FR36-Z R 060CISACK3EA0EE					HR020HM		17930040		+ 03200			A JS	G

[illegible]

QUALITY
CHECKED

CITY AND STATE CHEROKEE, IA	ELEVATION: 1227 TDZE: 1227 AIRPORT NAME: CHEROKEE COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 36, ORIG 02 JUL 2009	SUP:
				AMDT: NONE
				DATED:

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

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SUSAP KCKPK3GRW36 0038013577 N42433135W095332165-0400 +0346101227000040075R G

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

SUSAP KCKPK3PR36-Z RW36 001Z0000W36A0N4243313460W09533216500+034610300N4245003800W09533159100106751592000400F40050095A5DE5CG
SUSAP KCKPK3PR36-Z RW36 002E +03739+03739LPV 56512 G

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

SUSAP KCKPK3SRW36 K3PG 0 18018003025 M G

QUALITY
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CITY AND STATE
CHEROKEE, IA

ELEVATION: 1227 TDZE: 1227
AIRPORT NAME:
CHEROKEE COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 36, ORIG
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CISAC	CISAC	010		IF		FB				
	CISAC	YACYU	020	IAF	TF		FO	2.0	179.3 (184T)	021.9	03000
	CISAC	YACYU	030		HF	R	FO		357.7 (003T)	004.0	03000
	CUSHO	CUSHO	010		IF		FB				
	CUSHO	BAMDY	020	IAF	TF		FB	2.0	024.6 (030T)	008.1	03000
	CUSHO	YACYU	030		TF		FB	1.0	087.6 (093T)	005.0	03000
	NEMAH	NEMAH	010		IF		FB				
	NEMAH	ACLIK	020	IAF	TF		FB	2.0	271.4 (276T)	014.1	03000
	NEMAH	YACYU	030		TF		FB	1.0	267.8 (273T)	005.0	03000
		YACYU	010	FACF	IF		FB				03000
		ATNUY	020	FAF	TF		FB	0.5	357.7 (003T)	006.1	03000
		RW36	030	MAP	TF		FO	0.3	357.7 (003T)	005.4	01267

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DULMY	040		DF		FB	1.0			
	CISAC	050		TF		FO	1.0	002.5 (008T)		03200
	CISAC	060		HM	R	FO	2.0	179.3 (184T)	004.0	03200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACLIK	N423149.74	W0952720.50	N4231.829	W09527.342
	ATNUY	N423809.84	W0953342.34	N4238.164	W09533.706
	BAMDY	N423218.12	W0954051.15	N4232.302	W09540.853
	CISAC	N425351.83	W0953151.75	N4253.864	W09531.863
	CUSHO	N422515.39	W0954615.42	N4225.257	W09546.257
	DULMY	N424638.72	W0953309.56	N4246.645	W09533.159
	NEMAH	N423017.20	W0950822.65	N4230.287	W09508.378
	YACYU	N423204.13	W0953405.80	N4232.069	W09534.097
	RW36	N424331.35	W0953321.65	N4243.523	W09533.361

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	01227		40

QUALITY
1
CHECKED

CITY AND STATE
CHEROKEE, IA

ELEVATION: 1227 TDZE: 1227
AIRPORT NAME:
CHEROKEE COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 36, ORIG
02 JUL 2009

SUP:
AMDT: NONE
DATED:

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				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 02 JUL 2009

CITY AND STATE KNOXVILLE, IA	ELEVATION: 928 TDZE: 926	FACILITY IDENTIFIER: OXV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 15, AMDT 7, 10/30/2003	SUP
	AIRPORT NAME: KNOXVILLE MUNI			AMDT 6
				DATE 9 NOV 1995

QUALITY
CHECKED

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				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 02 JUL 2009

CITY AND STATE KNOXVILLE, IA	ELEVATION: 928 TDZE: 928 AIRPORT NAME: KNOXVILLE MUNI	FACILITY IDENTIFIER: OXV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 33, AMDT 6, 10/30/2003	SUP AMDT 5 DATE 9 NOV 1995
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.27

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

TERMINAL ROUTES

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 02 JUL 2009

CITY AND STATE VINTON, IA	ELEVATION: 845 TDZE: 838 AIRPORT NAME: VINTON VETERANS MEML ARPK	FACILITY IDENTIFIER: VTI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 27, AMDT 4, 05/10/2007	SUP
				AMDT 3
				DATE 20 AUG 1992

QUALITY
5
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.													
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																	
TERMINAL ROUTES										MISSED APPROACH							
FROM	TO			COURSE AND DISTANCE					ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW33 CLIMB TO 2700 DIRECT RIBCO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 149.40 INBOUND. CHART FAS OBST: 905 TREE 390001N/0951244W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.08 MILES TO RW33* *LNAV ONLY. WAAS CHANNEL # 57913 REFERENCE PATH ID: W33A CHART APT ELEV 833.						
CECAS (IAF)	GOLEY (NOPT) (FB)			059.48 / 5.00					3100								
DIBDE (IAF)	GOLEY (NOPT) (FB)			239.60 / 5.00					3100								
GOLEY (IF/IAF)	JITER (FB)			329.54 / 6.04					2900								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE GOLEY, RT, 329.54 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 329.51 FAF: JITER _____ DIST FAF TO MAP: 6.23 THLD: 6.23 4. MIN. ALT: GOLEY 3100, JITER 2900, HUTUS/2.00 NM TO RW33 1520* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: JITER _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR 8. MSA FROM: _____										MAG VAR: 4E EPOCH YEAR: 2005							
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		STANDARD @					
CATEGORY ==>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1031	1/2	200	1031	1/2	200	1031	1/2	200		NA						
LNAV/VNAV DA	1200	3/4	369	1200	3/4	369	1200	3/4	369		NA						
LNAV MDA	1220	1/2	389	1220	1/2	389	1220	1/2	389		NA						
CIRCLING		1420	1	587	1420	1	587	1440	1 3/4	607		NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ 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 PHILIP BILLARD MUNI ALTIMETER SETTING SEE 8260-10																	
CITY AND STATE				ELEVATION: 833 TDZE: 831				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
LAWRENCE, KS				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 33, AMDT 1				AMDT: ORIG	
				LAWRENCE MUNI								02 JUL 2009				DATED 07/05/2007	

**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.

AND INCREASE ALL DA 52 FEET AND ALL MDA 60 FEET AND ALL LNAV/VNAV AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PHILIP BILLARD MUNI ALTIMETER SETTING.

* LNAV ONLY.

TAA

	FROM	TO	ALT
1.	240/30 CW 059/30 (NOPT)	GOLEY (IF/IAF) (FB)	3100
2.	059/30 CW 150/30	CECAS (IAF) (FB)	3100
3.	150/30 CW 240/30	DIBDE (IAF) (FB)	3100

CITY AND STATE

LAWRENCE, KS

ELEVATION: 833 TDZE: 831

AIRPORT NAME:

LAWRENCE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, AMDT 1

02 JUL 2009

SUP:

AMDT: ORIG

DATED: 07/05/2007

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLWC
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	390016.7670N
LTP/FTP LONGITUDE	0951240.0715W
LTP/FTP ELLIPSOIDAL HEIGHT	+02203
FPAP LATITUDE	390108.1000N
FPAP LONGITUDE	0951312.9200W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
<u>CRC REMAINDER</u>	66F8D828

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02521
FPAP ORTHOMETRIC HEIGHT	+02521

CITY AND STATE LAWRENCE, KS	ELEVATION: 833 TDZE: 831 AIRPORT NAME: LAWRENCE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 02 JUL 2009	SUP:
				AMDT: ORIG
				DATED: 07/05/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet. MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 KIWCK3FR33	ACECAS	010CECASK3EA0E	A	IF					18000			A JS	
SUSAP KIWCK3FR33	ACECAS	020GOLEYK3EA0EE	010TF			05950050		+ 03100				A JS	
SUSAP KIWCK3FR33	ADIBDE	010DIBDEK3EA0E	A	IF					18000			A JS	
SUSAP KIWCK3FR33	ADIBDE	020GOLEYK3EA0EE	010TF			23960050		+ 03100				A JS	
SUSAP KIWCK3FR33	AGOLEY	010GOLEYK3EA0EE	CR	HF		32950040		+ 03100	18000			A JS	
SUSAP KIWCK3FR33	R	010GOLEYK3EA0E	I	IF				+ 03100	18000			A JS	
SUSAP KIWCK3FR33	R	020JITERK3EA1E	F 051TF			32950060		+ 02900				A JS	
SUSAP KIWCK3FR33	R	020JITERK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KIWCK3FR33	R	021HUTUSK3EA0E	S	031TF		32950042		V 0152001523		-300		A JS	
SUSAP KIWCK3FR33	R	030RW33 K3PG0GY	M	031TF		32950020		00852		-300		A JS	
SUSAP KIWCK3FR33	R	040RIBCOK3EA0EYM	010DF					+ 02700				A JS	
SUSAP KIWCK3FR33	R	050RIBCOK3EA0EE	HR02CHM			14940040		+ 02700				A JS	

[illegible][illegible]

CITY AND STATE LAWRENCE, KS	ELEVATION: 833 TDZE: 831 AIRPORT NAME: LAWRENCE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 02 JUL 2009	SUP:	
				AMDT:	ORIG
				DATED:	07/05/2007

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.

SUSAP KIWCK3PR33 RW33 001 0000W33ACN3900167570W09512400715-022030300N3901091000W09513129200106750032000552F40035066FSD828
SUSAP KIWCK3PR33 RW33 002E +02521+02521LPV 57913

CITY AND STATE

LAWRENCE, KS

ELEVATION: 833 TDZE: 831

AIRPORT NAME:

LAWRENCE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, AMDT 1

02 JUL 2009

SUP:

AMDT: ORIG

DATED: 07/05/2007

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CECAS	CECAS	010	IAF	IF		FB				
	CECAS	GOLEY	020		TF		FB	1.0	059.5 (064T)	005.0	03100
	DIBDE	DIBDE	010	IAF	IF		FB				
	DIBDE	GOLEY	020		TF		FB	1.0	239.6 (244T)	005.0	03100
	GOLEY	GOLEY	010		HF	R	FB		329.5 (334T)	004.0	03100
		GOLEY	010	FACF	IF		FB				03100
		JITER	020	FAF	TF		FB	0.5	329.5 (334T)	006.0	02900
		HUTUS	021	SDF	TF		FB	0.3	329.5 (334T)	004.2	0152001523
		RW33	030	MAP	TF		FO	0.3	329.5 (334T)	002.0	00882

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	RIBCO	040		DF		FO	1.0			02700
	RIBCO	050		HM	R	FO	2.0	149.4 (153T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CECAS	N384703.31	W0951122.78	N3847.055	W09511.380
	DIBDE	N385130.91	W0945955.48	N3851.515	W09459.925
	GOLEY	N384917.25	W0950539.31	N3849.288	W09505.655
	HUTUS	N385829.30	W0951131.34	N3858.488	W09511.522
	JITER	N385442.08	W0950906.24	N3854.701	W09509.104
	RIBCO	N391132.95	W0951953.92	N3911.549	W09519.899
	RW33	N390016.77	W0951240.07	N3900.280	W09512.668

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00827	55

CITY AND STATE
LAWRENCE, KS

ELEVATION: 833 TDZE: 831
 AIRPORT NAME:
LAWRENCE MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 33, AMDT 1
02 JUL 2009

SUP:
 AMDT: **ORIG**
 DATED: **07/05/2007**

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: 3.75 MILES AFTER GANOR INT/4.37 DME OR AT BTL 0.62 DME FIX CLIMBING LEFT TURN TO 3000 VIA BTL VORTAC R-177 TO REIMN INT/6.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD S, LT, 357.00 INBOUND. FAS OBST: 1139 AAO 422204N/0851152W CHART: ASR CHART VDP AT 1.95 DME; DISTANCE VDP TO THLD 1.33 MILES. CHART BTL R-008 AT WOBOR. GANOR TO RW23: 3.07/49. FAC CROSSES RWY C/L EXTENDED 2998 FROM THLD.								
AZO VOR/DME		BTL VORTAC			072.85 / 14.09				2600										
BTL VORTAC		GANOR INT/4.37 DME			051.00 / 4.37				2500										
WOBOR/BTL 12.02 DME CW (IAF)		YEBUL/BTL 12.02 DME (NOPT)			12.02 DME ARC				2500										
YEBUL/BTL 12.02 DME (IF)		GANOR INT/4.37 DME			231.00 / 7.65 (BTL R-051)				2200										
1. PT <u>L</u> SIDE OF COURSE <u>051.00</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>GANOR</u> (IAF) 2. _____ 3. FAC <u>231.00</u> FAF <u>GANOR INT/4.37 DME</u> DIST FAF TO MAP <u>3.75</u> THLD <u>3.75</u> 4. MIN. ALT <u>GANOR 2200</u> 8. MSA FROM: <u>BTL VORTAC 3000</u>										MAG VAR: 2W EPOCH YEAR: 1975									
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-23		1400	4000	471	1400	4000	471	1400	4000	471	1400	5000	471						
CIRCLING		1420	1	468	1500	1	548	1500	1 1/2	548	1520	2	568						
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-23 CATS A/B VISIBILITY TO RVR 5000. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WOBOR INT VIA V218 SOUTHWEST BOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND SEE 8260-10																			
CITY AND STATE BATTLE CREEK, MI				ELEVATION: 952 TDZE: 929 AIRPORT NAME: WK KELLOGG				FACILITY IDENTIFIER: BTL				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 23, AMDT 18 02 JUL 2009				SUP VOR OR TACAN OR GPS RWY 23			
																AMDT 17			
																DATE 03/15/2007			

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.

NOTES CONT.

INCREASE ALL MDA 120 FEET, INCREASE CAT C VISIBILITY TO RVR 5000, CAT D VISIBILITY TO RVR 6000,
AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING GRAND RAPIDS ALTIMETER SETTING.

QUALITY
1
CHECKED

CITY AND STATE

BATTLE CREEK, MI

ELEVATION: 952 TDZE: 929

AIRPORT NAME:

W K KELLOGG

FACILITY
IDENTIFIER:

BTL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 23, AMDT 18

02 JUL 2009

SUP: VOR OR TACAN OR
GPS RWY 23

AMDT: 17

DATED: 03/15/2007

PAGE 1 OF 2 PAGES

ILS PRM - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 4R, ILS PRM RWY 4R (CAT II), ILS PRM RWY 4R (CAT III) AND ILS PRM RWY 4L.

CHART NOTE: PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE.

CHART NOTE: DUAL VHF COMM REQUIRED.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

CHART NOTE: ADF AND DME OR RADAR REQUIRED.

CHART PROFILE NOTE: WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000, OR 4000 OR 5000, OR 6000.

CITY AND STATE

DETROIT, MI

ELEVATION: 645 TDZE: 633

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-HUU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS PRM RWY 3R, ORIG ; ILS PRM RWY 3R (CAT II) ; ILS PRM
RWY 3R (CAT III) (SIMULTANEOUS CLOSE PARALLEL)

02 JUL 2009

SUP:

AMDT: NONE

DATED:

**ILS PRM - 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									
SMPTR/18.62 DME/RADAR (IAF)		COZZY/15.76 DME/RADAR		037.21 / 2.86 (I-ALA)		6000*		CLIMBING LEFT TURN TO 3000 DIRECT SVM VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMBING LEFT TURN TO 3000 DIRECT YIPPS LOM AND HOLD SW, LT, 052.71 INBOUND. (ADF REQUIRED).									
COZZY/15.76 DME/RADAR		RUCOB/12.85 DME/RADAR		037.21 / 2.91 (I-ALA)		5000*											
RUCOB/12.85 DME/RADAR (IF)		JITLI/9.90 DME/RADAR		037.21 / 2.95 (I-ALA)		4000*											
JITLI/9.90 DME/RADAR		PEVSE/6.91 DME/RADAR		037.21 / 3.00 (I-ALA)		3000*											
PEVSE/6.91 DME/RADAR		MOTWN/5.69 DME/RADAR		037.21 / 1.21 (I-ALA)		2600		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 213.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW YI LOM, LT, 052.71 INBOUND. CHART IN PLANVIEW: YI LOM. CHART: (TICUD) FICTITIOUS THRESHOLD POINT (FTP) CHART PLANVIEW NOTE: LOC OFFSET 2.52 DEGREES. CHART: LOC RWY 4R CHART: LOC RWY 3R FAC CROSSES RWY C/L EXTENDED 2535 FROM THLD.									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)																	
2. PROFILE STARTS AT SMPTR/18.62 DME/RADAR																	
3. FAC: <u>037.21</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>																	
4. MIN. ALT: <u>SMPTR 7000, COZZY 6000*, RUCOB 5000*, JITLI 4000*, PEVSE 3000*, MOTWN 2600</u>																	
5. DIST TO THLD FROM OM: <u>5.87</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1065</u>																	
6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>MOTWN/5.69 DME/RADAR 2600</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>DXO VOR/DME 2800</u>																	
MAG VAR: 6W EPOCH YEAR: 1990																	
MINIMUMS																	
TAKEOFF: <u> </u> STANDARD <u>X</u> SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: 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 4L	895	2400	250	895	2400	250	895	2400	250	895	2400	250					
NOTES:																	
CHART NOTE: DME OR RADAR REQUIRED.																	
CHART PLANVIEW NOTE: RADAR REQUIRED.																	
CHART NOTE: PROCEDURE NA WHEN GLIDESLOPE NOT AVAILABLE.																	
CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.																	
SEE 8260-10																	
CITY AND STATE				ELEVATION: 645 TDZE: 645				FACILITY IDENTIFIER: I-ALA				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
DETROIT, MI				AIRPORT NAME:								ILS PRM RWY 4L, ORIG (SIMULTANEOUS CLOSE PARALLEL)				AMDT: NONE	
				DETROIT METROPOLITAN WAYNE COUNTY								02 JUL 2009				DATED	

**ILS PRM - 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: DUAL VHF COMM REQUIRED.****CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 4R, ILS PRM RWY 4R (CAT II), ILS PRM RWY 4R (CAT III) AND ILS PRM RWY 3R, ILS PRM RWY 3R (CAT II), ILS PRM RWY 3R (CAT III)****CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.**

CITY AND STATE

DETROIT, MI

ELEVATION: 645 TDZE: 645

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-ALA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**ILS PRM RWY 4L, ORIG
(SIMULTANEOUS CLOSE PARALLEL)**

02 JUL 2009

SUP:

AMDT: **NONE**

DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS PRM - 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 CLIMB TO 3000 THEN RIGHT TURN DIRECT MADDS LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 THEN LEFT TURN DIRECT PSI VORTAC AND HOLD NW, RT, 124.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 148.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW PSI VORTAC, RT, 124.00 INBOUND. CHART IN PLANVIEW: PSI VORTAC. CHART LOC RWY 3R CHART OFFSET LOC RWY 4L	
JULEP/20.96 DME/RADAR (IAF)	CULOP/18.10 DME/RADAR	034.69 / 2.86 (I-DTW)	6000*		
CULOP/18.10 DME/RADAR	HIMEX/15.19 DME/RADAR	034.69 / 2.91 (I-DTW)	5000*		
HIMEX/15.19 DME/RADAR	EVABE/12.25 DME/RADAR	034.69 / 2.95 (I-DTW)	4000*		
EVABE/12.25 DME/RADAR (IF)	JELLY/9.25 DME/RADAR	034.69 / 3.00 (I-DTW)	3000*		
JELLY/9.25 DME/RADAR	ETALE/8.04 DME/RADAR	034.69 / 1.21 (I-DTW)	2600		
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 JULEP/20.96 DME/RADAR 3. FAC: <u>034.69</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>JULEP 7000, CULOP 6000*, HIMEX 5000*, EVABE 4000*, JELLY 3000*, ETALE 2600</u> 5. DIST TO THLD FROM OM: <u>5.90</u> MM: <u>-</u> IM: <u>915</u> 150 HAT: <u>-</u> 100 HAT: <u>891</u> GS ANT: <u>1001</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>ETALE/8.04 DME/RADAR 2600</u> OM: <u>-</u> MM: <u>-</u> IM: <u>739</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.1</u> 8. MSA FROM: <u>DXO VOR/DME 2800</u>				MAG VAR: <u>6W</u> EPOCH YEAR: <u>1990</u>	
MINIMUMS					
TAKEOFF: <u> </u>	<u>STANDARD</u>	<u>X</u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>N A</u>	ILS: <u>STANDARD</u>
CATEGORY <u>=====</u>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 4R	838	1800	200	838	1800
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 4R: DA 738 MSL, 101 RA, RVR 1200, HAT 100; CATS A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 4R: 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: 645 TDZE: 638		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
DETROIT, MI		AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY		ILS PRM RWY 4R, ORIG ; ILS PRM RWY 4R (CAT II) ; ILS PRM RWY 4R (CAT III) (SIMULTANEOUS CLOSE PARALLEL) 02 JUL 2009	

ILS PRM - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PLANVIEW NOTE: ADF AND DME OR RADAR REQUIRED.

CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 4L AND ILS PRM RUNWAY 3R, ILS PRM RWY 3R (CAT II), ILS PRM RWY 3R (CAT III).

CHART NOTE: PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE.

CHART NOTE: DUAL VHF COMM REQUIRED.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

CHART PROFILE NOTE: WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.

CITY AND STATE

DETROIT, MI

ELEVATION: 645 TDZE: 638

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-DTW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS PRM RWY 4R, ORIG ; ILS PRM RWY 4R (CAT II) ; ILS PRM
RWY 4R (CAT III) (SIMULTANEOUS CLOSE PARALLEL)

02 JUL 2009

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS PRM - 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
COUNT/20.64 DME/RADAR (IAF)	TIGRZ/17.78 DME/RADAR	214.72 / 2.86 (I-EJR)	6000*	CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 DIRECT RYS NDB AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 DIRECT CRL VORTAC AND HOLD S, RT, 360.00 INBOUND.
TIGRZ/17.78 DME/RADAR	ROBBI/14.88 DME/RADAR	214.72 / 2.90 (I-EJR)	5000*	
ROBBI/14.88 DME/RADAR (IF)	BALAS/11.93 DME/RADAR	214.72 / 2.95 (I-EJR)	4000*	
BALAS/11.93 DME/RADAR	NESBI/8.93 DME/RADAR	214.72 / 3.00 (I-EJR)	3000*	
NESBI/8.93 DME/RADAR	PUKLE INT/7.72 DME/RADAR	214.72 / 1.21 (I-EJR)	2600	
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 043.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S CRL VORTAC, RT, 360.00 INBOUND. CHART IN PLANVIEW: CRL VORTAC. CHART: LOC RWY 22L AND RWY 22R

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT COUNT/20.64 DME/RADAR
- FAC: 214.72 FAF: DIST FAF TO MAP: THLD:
- MIN. ALT: COUNT 7000, TIGRZ 6000*, ROBBI 5000*, BALAS 4000*, NESBI 3000*, PUKLE 2600
- DIST TO THLD FROM OM: 5.91 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1189
- MIN GS INCPT: 2600 GS ALT AT: PUKLE INT/7.72 DME/RADAR 2600 OM: - MM: - IM: -
- GS ANGLE: 3.00 TCH: 55.0
- MSA FROM: DXO VOR/DME 2800

MAG VAR: 6W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A			ILS: 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 21L	832**	2400	200	832**	2400	200	832**	2400	200	832**	2400	200				

NOTES:
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 22L AND ILS PRM RUNWAY 22R.
CHART NOTE: PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE.
SEE 8260-10

CITY AND STATE DETROIT, MI	ELEVATION: 645 TDZE: 632 AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	FACILITY IDENTIFIER: I-EJR	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS PRM RWY 21L, ORIG (SIMULTANEOUS CLOSE PARALLEL) 02 JUL 2009	SUP: AMDT: NONE DATED
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ILS PRM - 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: ADF AND RADAR OR DME REQUIRED.

CHART NOTE: DUAL VHF COMM REQUIRED.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.

CHART NOTE: ** RVR 1800 AUTHORIZED WITH THE USE OF FD OR HUD TO DA.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CITY AND STATE

DETROIT, MI

ELEVATION: 645 TDZE: 632

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-EJR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS PRM RWY 21L, ORIG
(SIMULTANEOUS CLOSE PARALLEL)
02 JUL 2009

SUP:

AMDT: NONE

DATED:

**ILS PRM - 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							
DRBRN/19.55 DME/RADAR (IAF)		BHOLD/16.56 DME/RADAR		214.71 / 2.99 (I-DWC)		6000*		CLIMB TO 3000 DIRECT CRL VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 DIRECT SPENC LOM AND HOLD E, RT, 275.00 INBOUND, CONTINUE CLIMB-IN-HOLD TO 3000. (ADF REQUIRED).							
BHOLD/16.56 DME/RADAR		LUPAY/13.52 DME/RADAR		214.71 / 3.03 (I-DWC)		5000*									
LUPAY/13.52 DME/RADAR		OSKER/10.44 DME/RADAR		214.71 / 3.09 (I-DWC)		4000*									
OSKER/10.44 DME/RADAR (IF)		ROUGE/7.30 DME/RADAR		214.71 / 3.14 (I-DWC)		3000*									
ROUGE/7.30 DME/RADAR		HULKA INT/5.07 DME/RADAR		214.71 / 2.23 (I-DWC)		2300		ADDITIONAL FLIGHT DATA: HOLD S, RT, 016.00 INBOUND. CHART IN PLANVIEW: SPENC LOM. CHART LOC RWY 21L CHART OFFSET LOC RWY 22R DO NOT CHART ALTERNATE MISSED APPROACH HOLDING AT SPENC LOM.							
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 DRBRN/19.55 DME/RADAR															
3. FAC: <u>214.71</u> FAF: <u> </u>															

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

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NOTES CONT.

CHART NOTE: PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE.

CHART NOTE: DUAL VHF COMM REQUIRED.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.

CITY AND STATE

DETROIT, MI

ELEVATION: 645 TDZE: 637

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-DWC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS PRM RWY 22L, ORIG
(SIMULTANEOUS CLOSE PARALLEL)

02 JUL 2009

SUP:

AMDT: NONE

DATED:

**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.

FROM		TERMINAL ROUTES		COURSE AND DISTANCE		ALTITUDE		MISSED APPROACH					
GRDCY/20.63 DME/RADAR (IAF)		MMOTR/17.77 DME/RADAR		212.19 / 2.86 (I-BZB)		6000*		ILS: DA					
MMOTR/17.77 DME/RADAR		TAYUL/14.86 DME/RADAR		212.19 / 2.91 (I-BZB)		5000*		CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SVM VORTAC AND HOLD; OR WHEN DIRECTED BY ATC. CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 355 AND PSI VORTAC R-176 TO PSI VORTAC AND HOLD NW, RT, 124.00 INBOUND.					
TAYUL/14.86 DME/RADAR		EMINN/11.91 DME/RADAR		212.19 / 2.95 (I-BZB)		4000*							
EMINN/11.91 DME/RADAR (IF)		WONDR/8.92 DME/RADAR		212.19 / 3.00 (I-BZB)		3000*		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 213.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW PSI VORTAC, RT, 124.00 INBOUND. CHART IN PLANVIEW: PSI VORTAC. CHART: LOC RWY 21L CHART: LOC RWY 22L CHART PLANVIEW NOTE: LOC OFFSET 2.50 DEGREES CHART: (KIVTE) FICTITIOUS THRESHOLD POINT (FTP) FAC CROSSES RWY C/L EXTENDED 2602 FROM THLD.					
WONDR/8.92 DME/RADAR		JELVU/6.79 DME/RADAR		212.19 / 2.13 (I-BZB)		2300							
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 GRDCY/20.63 DME/RADAR 3. FAC: <u>212.19</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>GRDCY 7000, MMOTR 6000*, TAYUL 5000*, EMINN 4000*, WONDR 3000*, JELVU 2300</u> 5. DIST TO THLD FROM OM: <u>4.96</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1055</u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>JELVU/6.79 DME/RADAR 2300</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.1</u> 8. MSA FROM: <u>DXO VOR/DME 2800</u>													
								MAG VAR: 6W					
								EPOCH YEAR: 1990					
MINIMUMS													
TAKEOFF: <u> </u>		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		ILS: 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 22R		892	2400	250	892	2400	250	892	2400	250	892	2400	250
NOTES:													
CHART NOTE: DME OR RADAR REQUIRED.													
CHART PLANVIEW NOTE: RADAR REQUIRED.													
CHART NOTE: PROCEDURE NA WHEN GLIDESLOPE NOT AVAILABLE.													
CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.													
SEE 8260-10													
CITY AND STATE		ELEVATION: 645 TDZE: 642		FACILITY IDENTIFIER: I-BZB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:					
DETROIT, MI		AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY				ILS PRM RWY 22R, ORIG (SIMULTANEOUS CLOSE PARALLEL) 02 JUL 2009		AMDT: NONE					
								DATED					

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: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RWY 22L AND ILS PRM RWY 21L.

CHART NOTE: DUAL VHF COMM REQUIRED.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

CITY AND STATE

DETROIT, MI

ELEVATION: 645 TDZE: 642

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-BZB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS PRM RWY 22R, ORIG
(SIMULTANEOUS CLOSE PARALLEL)
02 JUL 2009

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-BIV 1.16 DME FIX CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2600 VIA HEADING 080.19 AND MKG R-185 TO ZEELE INT/MKG 18.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2700 VIA HEADING 079.95 AND PMM R-033 TO JAVPO INT/I-BIV 13.20 DME AND HOLD E, RT, 263.73 INBOUND. ADDITIONAL FLIGHT DATA: HOLD N, RT, 185.00 INBOUND. CHART FAS OBST: 751 TREE 424435N/0860508W CHART VDP AT 2.10 DME; DISTANCE VDP TO THLD 0.95 MILES.	
PMM VOR/DME	JAVPO INT/I-BIV 13.20 DME	032.94 / 22.44	2700		
MKG VORTAC	JAVPO INT/I-BIV 13.20 DME	159.26 / 25.14	2700		
JAVPO INT/I-BIV 13.20 DME (IF/IAF)	FENAB/I-BIV 6.97 DME	263.73 / 6.23 (I-BIV)	2600		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E JAVPO, RT, 263.73 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 263.73 FAF: FENAB/I-BIV 6.97 DME DIST FAF TO MAP: - THLD: 5.81 4. MIN. ALT: JAVPO 2700, FENAB 2600 5. DIST TO THLD FROM OM: 5.81 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 728 6. MIN GS INCPT: 2600 GS ALT AT: FENAB/I-BIV 6.97 DME 2600 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 32.4 8. MSA FROM: PMM VOR/DME 360-180 3000, 180-360 2300				MAG VAR: 4W EPOCH YEAR: 1995	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	X
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 26	936	1/2	250	936	1/2
S-LOC 26	1020	1/2	334	1020	1/2
CIRCLING	1200	1	502	1200	1 1/2
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE ALL S-ILS 26 VISIBILITY TO 1. CHART PLANVIEW NOTE: DME REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUSKEGON ALTIMETER SETTING AND INCREASE ALL DA 71 FT, ALL MDA 80 FT AND S-ILS 26 ALL CATS VISIBILITY 1/4 MILE, AND S-LOC 26 CAT C SEE 8260-10					
CITY AND STATE		ELEVATION: 698 TDZE: 686		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
HOLLAND, MI		AIRPORT NAME:		ILS OR LOC/DME RWY 26, AMDT 2	
		TULIP CITY		02 JUL 2009	
		FACILITY IDENTIFIER: I-BIV		SUP:	
				AMDT: 1	
				DATED 05/10/2007	



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MUSKEGON ALTIMETER SETTING, INCREASE S-ILS 26 ALL

CATS. VISIBILITY TO 1 1/4.

CHART NOTE: VDP NA WHEN USING MUSKEGON ALTIMETER SETTING.

CITY AND STATE

HOLLAND, MI

ELEVATION: 698

TDZE: 686

AIRPORT NAME:

TULIP CITY

FACILITY
IDENTIFIER:

I-BIV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 26, AMDT 2

02 JUL 2009

SUP:

AMDT: 1

DATED: 05/10/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TOLVE (IAF)	JAVPO (NOPT) (FB)	353.92 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW26 CLIMB TO 2700 DIRECT HOXON AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 083.53 INBOUND. CHART FAS OBST: 855 ANT 424518N/0860510W DISTANCE TO THLD FROM 265 HAT: 0.73 NM. CHART VDP AT 1.32 MILES TO RW26* *LNAV ONLY. WAAS CHANNEL # 53402 REFERENCE PATH ID: W26A
LOPIC (IAF)	JAVPO (NOPT) (FB)	173.90 / 5.00	3000	
JAVPO (IF/IAF)	FENAB (FB)	263.91 / 6.23	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E JAVPO, RT, 263.91 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 263.82 FAF: FENAB DIST FAF TO MAP: 5.81 THLD: 5.81
- MIN. ALT: JAVPO 3000, FENAB 2600
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCP: 2600 GS ALT AT: FENAB OM: MM: IM:
- GS ANGLE: 3.00 TCH: 32.4 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 4W

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	951	1/2	265	951	1/2	265	951	1/2	265		NA					
LNAV/VNAV DA	1175	1 1/4	489	1175	1 1/4	489	1175	1 1/4	489		NA					
LNAV MDA	1140	1/2	454	1140	1/2	454	1140	3/4	454		NA					
CIRCLING	1200	1	502	1200	1	502	1200	1 1/2	502		NA					

NOTES:
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1.
 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 NOTES: VDP AND BARO-VNAV NA WHEN USING MUSKEGON ALTIMETER SETTING.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
5
CHECKED

CITY AND STATE HOLLAND, MI	ELEVATION: 698 TDZE: 686 AIRPORT NAME: TULIP CITY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 3 02 JUL 2009	SUP: AMDT: 2 DATED 05/10/2007
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RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUSKEGON ALTIMETER SETTING AND INCREASE ALL DA 71 FEET AND ALL MDA 80 FEET; INCREASE ALL LPV, LNAV-VNAV AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING MUSKEGON ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 1/4.

TAA

	FROM	TO	ALT
1.	174/30 CW 354/30 (NOPT)	JAVPO (IF/IAF) (FB)	3000
2.	354/30 CW 084/30	TOLVE (IAF) (FB)	3000
3.	084/30 CW 174/30	LOPIC (IAF) (FB)	3000

CITY AND STATE

HOLLAND, MI

ELEVATION: 698 TDZE: 686

AIRPORT NAME:

TULIP CITY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 3

02 JUL 2009

SUP:

AMDT: 2

DATED: 05/10/2007

**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	KBIV
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	424439.3120N
LTP/FTP LONGITUDE	0860548.6230W
LTP/FTP ELLIPSOIDAL HEIGHT	+01757
FPAP LATITUDE	424428.7000N
FPAP LONGITUDE	0860707.9900W
THRESHOLD CROSSING HEIGHT (TCH)	00032.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

579D5D70

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02091
FPAP ORTHOMETRIC HEIGHT	+02091

CITY AND STATE

HOLLAND, MI

ELEVATION: 698 TDZE: 686

AIRPORT NAME:

TULIP CITY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 3

02 JUL 2009

SUP:

AMDT: 2

DATED: 05/10/2007

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[illegible]

SUP:	
AMDT:	2
DATED:	05/10/2007

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JAVPO	JAVPO	010		HF	R	FB		263.9 (260T)	004.0	03000
	LOPIC	LOPIC	010	IAF	IF		FB				
	LOPIC	JAVPO	020		TF		FB	1.0	173.9 (170T)	005.0	03000
	TOLVE	TOLVE	010	IAF	IF		FB				
	TOLVE	JAVPO	020		TF		FB	1.0	353.9 (350T)	005.0	03000
		JAVPO	010	FACF	IF		FB				03000
		FENAB	020	FAF	TF		FB	0.5	263.9 (260T)	006.2	02600
		RW26	030	MAP	TF		FO	0.3	263.8 (260T)	005.8	00718

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HOXON	040		DF		FO	1.0			02700
	HOXON	050		HM	R	FO	2.0	083.5 (080T)	005.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FENAB	N424541.27	W0855802.58	N4245.688	W08558.043
	HOXON	N424223.74	W0862232.54	N4242.396	W08622.542
	JAVPO	N424647.04	W0854943.14	N4246.784	W08549.719
	LOPIC	N425142.48	W0855054.60	N4251.708	W08550.910
	TOLVE	N424151.59	W0854831.86	N4241.860	W08548.531
	RW26	N424439.31	W0860548.62	N4244.655	W08605.810

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00686	32

CITY AND STATE
HOLLAND, MI

ELEVATION: 698 TDZE: 686
 AIRPORT NAME:
 TULIP CITY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 26, AMDT 3
 02 JUL 2009

SUP:
 AMDT: 2
 DATED: 05/10/2007

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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CITY AND STATE HOLLAND, MI	ELEVATION: 698 TDZE: 686 AIRPORT NAME: TULIP CITY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 3 02 JUL 2009	SUP:
				AMDT: 2
				DATED: 05/10/2007

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 08, 26, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, VEHICLES ON ROAD BEGINNING 48' FROM DER, 500' RIGHT OF CENTERLINE, UP TO 15' AGL/694' MSL, TREES BEGINNING 1828' FROM DER, 829' LEFT OF CENTERLINE, UP TO 72' AGL/ 741' MSL.

NOTE: RWY 26, VEHICLES ON ROAD BEGINNING 86' FROM DER, 517' LEFT OF CENTERLINE, UP TO 15' AGL/714' MSL, POLE 805' FROM DER, 475' LEFT OF CENTERLINE, 35' AGL/734' MSL, TREES 1,056' FROM DER, 468' LEFT OF CENTERLINE, UP TO 41' AGL/740' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
5
CHECKED

(5) City, State HOLLAND, MI	(6) Airport TULIP CITY	(7) Effective Date 02 JUL 2009	(8) Amdt. No. 1
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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	LNAV: RW06 CLIMB TO 3000 DIRECT FAMED AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 246.19 INBOUND. CHART FAS OBST: 739 TOWER 433928N/0841729W CHART 921 TOWER 433810N/0841754W. ASANE TO RW06: 3.04/32. CHART TDZE 628. CHART APT ELEV 635.								
INDEX	BUDRE (FB)	018.21 / 10.51	3000									
MBS VOR/DME	BUDRE (FB)	267.92 / 15.57	3000									
MOP VOR/DME	FIBIT (FB)	089.39 / 8.42	3000									
BUDRE (IAF)	CADOB (NOPT) (FB)	335.92 / 5.00	3000									
FIBIT (IAF)	CADOB (NOPT) (FB)	155.84 / 5.00	3000									
CADOB (IF/IAF)	ASANE (FB)	065.88 / 6.10	2300									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW CADOB, LT, 065.88 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 065.96 FAF: ASANE _____ DIST FAF TO MAP: 5.10 THLD: 5.10 4. MIN. ALT: CADOB 3000, ASANE 2300, OBIDE/1.70 NM TO RW06 1200* 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: RW06 2900				MAG VAR: 6W 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
LNAV MDA	1000	1	372	1000	1	372	1000	1	372	NA		
CIRCLING	1120	1	485	1120	1	485	1120	1 1/2	485	NA		
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MBS VOR/DME VIA AIRWAY RADIALS 212 CW 320. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MBS INTL ALTIMETER SETTING AND INCREASE SEE 8260-10												
CITY AND STATE			ELEVATION: 635 TDZE: 628		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
MIDLAND, MI			AIRPORT NAME:		RNAV		RNAV (GPS) RWY 6, AMDT 1			AMDT: ORIG		
			JACK BARSTOW				02 JUL 2009			DATED 04/18/2002		

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.

ALL MDA 40 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.

* 1240 WHEN USING MBS INTL ALTIMETER SETTING.

CITY AND STATE

MIDLAND, MI

ELEVATION: 635 TDZE: 628

AIRPORT NAME:

JACK BARSTOW

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

02 JUL 2009

SUP:

AMDT: ORIG

DATED: 04/18/2002

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIKWK5FR06	ACADOB	010CADOBK5EA0EE	CL	HF		06590040		+ 03000	18000			B JS	
SUSAP KIKWK5FR06	AINDEX	010INDEXK5EA0E		IF					18000			B JS	
SUSAP KIKWK5FR06	AINDEX	020BUDREK5EA0E	A	020TF		01820105		+ 03000				B JS	
SUSAP KIKWK5FR06	AINDEX	030CADOBK5EA0EE		010TF		33590050		+ 03000				B JS	
SUSAP KIKWK5FR06	AMBS	010MBS K5D 0V		IF					18000			B JS	
SUSAP KIKWK5FR06	AMBS	020BUDREK5EA0E	A	020TF		26790156		+ 03000				B JS	
SUSAP KIKWK5FR06	AMBS	030CADOBK5EA0EE		010TF		33590050		+ 03000				B JS	
SUSAP KIKWK5FR06	AMOP	010MOP K5D 0V		IF					18000			B JS	
SUSAP KIKWK5FR06	AMOP	020FIBITK5EA0E	A	020TF		08940084		+ 03000				B JS	
SUSAP KIKWK5FR06	AMOP	030CADOBK5EA0EE		010TF		15580050		+ 03000				B JS	
SUSAP KIKWK5FR06	R	010CADOBK5EA0E	I	IF				+ 03000	18000			B JS	
SUSAP KIKWK5FR06	R	020ASANEK5EA1E	F	051TF		06590061		+ 02300			RW06	K5PGB	JS
SUSAP KIKWK5FR06	R	020ASANEK5EA2WN			N	ALNAV							JS
SUSAP KIKWK5FR06	R	0210BIDEK5EA0E	S	031TF		06600034		V 0120001204		-304		B JS	

CITY AND STATE MIDLAND, MI	ELEVATION: 635 TDZE: 628 AIRPORT NAME: JACK BARSTOW	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 02 JUL 2009	SUP:
				AMDT: ORIG
				DATED: 04/18/2002

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06600017	00653	-304	B JS
	+ 03000		B JS
24620040	+ 03000		B JS

CITY AND STATE MIDLAND, MI	ELEVATION: 635 TDZE: 628	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 02 JUL 2009	SUP:
	AIRPORT NAME: JACK BARSTOW			AMDT: ORIG
				DATED: 04/18/2002

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CADOB	CADOB	010		HF	L	FB		065.9 (060T)	004.0	03000
	INDEX	INDEX	010		IF		FB				
	INDEX	BUDRE	020	IAF	TF		FB	2.0	018.2 (012T)	010.5	03000
	INDEX	CADOB	030		TF		FB	1.0	335.9 (330T)	005.0	03000
	MBS	MBS	010		IF		FB				
	MBS	BUDRE	020	IAF	TF		FB	2.0	267.9 (262T)	015.6	03000
	MBS	CADOB	030		TF		FB	1.0	335.9 (330T)	005.0	03000
	MOP	MOP	010		IF		FB				
	MOP	FIBIT	020	IAF	TF		FB	2.0	089.4 (083T)	008.4	03000
	MOP	CADOB	030		TF		FB	1.0	155.8 (150T)	005.0	03000
		CADOB	010	FACF	IF		FB				03000
		ASANE	020	PAF	TF		FB	0.5	065.9 (060T)	006.1	02300
		OBIDE	021	SDF	TF		FB	0.3	066.0 (060T)	003.4	0120001204
		RW06	030	MAP	TF		FO	0.3	066.0 (060T)	001.7	00653

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FAMED	040		DF		FO	1.0			03000
	FAMED	050		HM	R	FO	2.0	246.2 (240T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBS	N433153.95	W0840438.28	N4331.899	W08404.638
	MOP	N433722.17	W0844414.16	N4337.370	W08444.236
	ASANE	N433703.74	W0842200.10	N4337.062	W08422.002
	BUDRE	N432940.68	W0842549.08	N4329.678	W08425.818
	CADOB	N433400.26	W0842915.90	N4334.004	W08429.265
	FAMED	N434527.22	W0840154.66	N4345.454	W08401.911
	FIBIT	N433819.74	W0843243.21	N4338.329	W08432.720
	INDEX	N431924.10	W0842852.34	N4319.402	W08428.872
	OBIDE	N433845.79	W0841756.91	N4338.763	W08417.949
	RW06	N433936.77	W0841555.21	N4339.613	W08415.920

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW06	00621		32

CITY AND STATE MIDLAND, MI	ELEVATION: 635 TDZE: 628	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 02 JUL 2009	SUP:
	AIRPORT NAME: JACK BARSTOW			AMDT: ORIG
				DATED: 04/18/2002

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
BANJO	DOLTE (FB)	173.37 / 17.26	3000	LPV: DA LNAV/VNAV: DA LNAV: RW24 CLIMB TO 3000 DIRECT CADOB AND HOLD.								
MOP VOR/DME	DOLTE (FB)	072.01 / 30.81	3000									
MBS VOR/DME	EGOPE (FB)	031.85 / 10.24	3000	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 065.88 INBOUND. CHART FAS OBST: 764 TREE 434007N/0841346W CHART FAS OBST: 804 TREE 434058N/0841249W DISTANCE TO THLD FROM 386 HAT: 1.05 NM. WAAS CHANNEL # 72912 REFERENCE PATH ID: W24A CHART TDZE 635. CHART APT ELEV 635.								
DOLTE (IAF)	FAMED (NOPT) (FB)	156.15 / 5.00	3000									
EGOPE (IAF)	FAMED (NOPT) (FB)	336.23 / 5.00	3000									
FAMED (IF/IAF)	BIRSE (FB)	246.19 / 6.10	2300									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE FAMED, RT, 246.19 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>246.11</u> FAF: <u>BIRSE</u> DIST FAF TO MAP: <u>4.99</u> THLD: <u>4.99</u> 4. MIN. ALT: <u>FAMED 3000, BIRSE 2300, EHAFF/1.80 NM TO RW24 1260*</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>2300</u> GS ALT AT: <u>BIRSE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW24 2900</u>				MAG VAR: <u>6W</u> EPOCH YEAR: <u>2000</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
LPV DA	1021	1 1/4	386	1021	1 1/4	386	1021	1 1/4	386		NA	
LNAV/VNAV DA	1068	1 1/2	433	1068	1 1/2	433	1068	1 1/2	433		NA	
LNAV MDA	1060	1	425	1060	1	425	1060	1 1/4	425		NA	
CIRCLING	1120	1	485	1120	1	485	1120	1 1/2	485		NA	
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MBS INTL 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: 635 TDZE: 635		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
MIDLAND, MI		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 24, AMDT 1		AMDT: ORIG				
		JACK BARSTOW				02 JUL 2009		DATED 04/18/2002				

QUALITY
2
CHECKED

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

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

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MBS VOR/DME VIA V45 SOUTHBOUND.****CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MBS INTL ALTIMETER SETTING AND INCREASE****ALL DA 31 FEET AND ALL MDA 40 FEET AND ALL LPV VISIBILITY 1/4 MILE.***** LNAV ONLY.**

QUALITY
2
CHECKED

CITY AND STATE

MIDLAND, MI

ELEVATION: 635

TDZE: 635

AIRPORT NAME:

JACK BARSTOW

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 1

02 JUL 2009

SUP:

AMDT:

ORIG

DATED:

04/18/2002

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIKW
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	433955.5150N
LTP/FTP LONGITUDE	0841510.4145W
LTP/FTP ELLIPSOIDAL HEIGHT	+01591
FPAP LATITUDE	433911.0000N
FPAP LONGITUDE	0841656.7400W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1592
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

7A0BCBF0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01934
FPAP ORTHOMETRIC HEIGHT	+01934

QUALITY
2
CHECKED

CITY AND STATE
MIDLAND, MI

ELEVATION: 635 TDZE: 635
AIRPORT NAME:
JACK BARSTOW

FACILITY
IDENTIFIER:
RNAV

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

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

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIKWK5FR24	ABANJO	010BANJOK5EA0E	IF							18000		A JS	
SUSAP KIKWK5FR24	ABANJO	020DOLTEK5EA0E	A 020TF			17340173		+ 03000				A JS	
SUSAP KIKWK5FR24	ABANJO	030FAMEDK5EA0EE	010TF			15620050		+ 03000				A JS	
SUSAP KIKWK5FR24	AFAMED	010FAMEDK5EA0EE	CR HF			24620040		+ 03000		18000		A JS	
SUSAP KIKWK5FR24	AMBS	010MBS K5D 0V	IF							18000		A JS	
SUSAP KIKWK5FR24	AMBS	020EGOPEK5EA0E	A 020TF			03190102		+ 03000				A JS	
SUSAP KIKWK5FR24	AMBS	030FAMEDK5EA0EE	010TF			33620050		+ 03000				A JS	
SUSAP KIKWK5FR24	AMOP	010MOP K5D 0V	IF							18000		A JS	
SUSAP KIKWK5FR24	AMOP	020DOLTEK5EA0E	A 020TF			07200308		+ 03000				A JS	
SUSAP KIKWK5FR24	AMOP	030FAMEDK5EA0EE	010TF			15620050		+ 03000				A JS	
SUSAP KIKWK5FR24	R	010FAMEDK5EA0E	I IF					+ 03000		18000		A JS	
SUSAP KIKWK5FR24	R	020BIRSEK5EA1E	F 051TF			24620061		+ 02300			RW24	K5PGA JS	
SUSAP KIKWK5FR24	R	020BIRSEK5EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KIKWK5FR24	R	021EHAFYK5EA0E	S 031TF			24610032		V 0126001264		-300		A JS	

MIDLAND, MI

ELEVATION: 635 TDZE: 635
AIRPORT NAME:
JACK BARSTOW

FACILITY
IDENTIFIER:
RNAV

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

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

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

24610018	00688	-300	A JS
	+ 03000		A JS
06590040	+ 03000		A JS

[illegible][illegible]

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

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BANJO	BANJO	010		IF		FB				
	BANJO	DOLTE	020	IAF	TF		FB	2.0	173.4 (167T)	017.3	03000
	BANJO	FAMED	030		TF		FB	1.0	156.2 (150T)	005.0	03000
	FAMED	FAMED	010		HF	R	FB		246.2 (240T)	004.0	03000
	MBS	MBS	010		IF		FB				
	MBS	EGOPE	020	IAF	TF		FB	2.0	031.9 (026T)	010.2	03000
	MBS	FAMED	030		TF		FB	1.0	336.2 (330T)	005.0	03000
	MOP	MOP	010		IF		FB				
	MOP	DOLTE	020	IAF	TF		FB	2.0	072.0 (066T)	030.8	03000
	MOP	FAMED	030		TF		FB	1.0	156.2 (150T)	005.0	03000
		FAMED	010	FACF	IF		FB				03000
		BIRSE	020	FAF	TF		FB	0.5	246.2 (240T)	006.1	02300
		EHAFF	021	SDF	TF		FB	0.3	246.1 (240T)	003.2	0126001264
		RW24	030	MAP	TF		FO	0.3	246.1 (240T)	001.8	00688

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CADOB	040		DF		FO	1.0			03000
	CADOB	050		HM	L	FO	2.0	065.9 (060T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBS	N433153.95	W0840438.28	N4331.899	W08404.638
	MOP	N433722.17	W0844414.16	N4337.370	W08444.236
	BANJO	N440638.29	W0841033.54	N4406.638	W08410.559
	BIRSE	N434225.03	W0840912.49	N4342.417	W08409.208
	CADOB	N433400.26	W0842915.90	N4334.004	W08429.265
	DOLTE	N434947.50	W0840520.69	N4349.792	W08405.345
	EGOPE	N434106.83	W0835829.12	N4341.114	W08358.485
	EHAFF	N434049.44	W0841301.47	N4340.824	W08413.025
	FAMED	N434527.22	W0840154.66	N4345.454	W08401.911
	RW24	N433955.52	W0841510.41	N4339.925	W08415.174

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW24	00635		53

CITY AND STATE
MIDLAND, MI

ELEVATION: 635 TDZE: 635
AIRPORT NAME:
JACK BARSTOW

FACILITY IDENTIFIER:
RNAV

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

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

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 6, 18, 24, 36 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 56' FROM DER, 493' RIGHT OF CENTERLINE, UP TO 25' AGL/655' MSL. TREES BEGINNING 920' FROM DER, 47' LEFT OF CENTERLINE, UP TO 20' AGL/660' MSL. TREES BEGINNING 1144' FROM DER, FROM RIGHT TO LEFT OF CENTERLINE, UP TO 100' AGL/754' MSL. POLE 1495' FROM DER, 331' RIGHT OF CENTERLINE, 37' AGL/672' MSL. NOTE: RWY 18, TREES BEGINNING 339' FROM DER, 279' LEFT OF CENTERLINE, UP TO 100' AGL/729' MSL. TREES BEGINNING 358' FROM DER, 306' RIGHT OF CENTERLINE, UP TO 100' AGL/724' MSL. NOTE: RWY 24, VEHICLES ON ROAD BEGINNING 225' FROM DER, FROM RIGHT TO LEFT OF CENTERLINE, UP TO 15' AGL/634' MSL. TREES BEGINNING 510' FROM DER, 103' RIGHT OF CENTERLINE, UP TO 100' AGL/710' MSL. TREES BEGINNING 787' FROM DER, 152' LEFT OF CENTERLINE, UP TO 100' AGL/709' MSL. NOTE: RWY 36, TREES BEGINNING 105' FROM DER, 200' RIGHT OF CENTERLINE, UP TO 100' AGL/744' MSL. TREES BEGINNING 147' FROM DER, 242' LEFT OF CENTERLINE, UP TO 100' AGL/729' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

MIDLAND, MI

(6) Airport

JACK BARSTOW

(7) Effective Date

02 JUL 2009

(8) Amdt. No.

ORIG

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: 5.49 MILES AFTER HARPY INT/17.00 DME OR AT MBS 11.51 DME FIX CLIMBING LEFT TURN TO 2400 VIA HEADING 272.49 AND MBS VOR/DME R-317.49 TO HARPY INT/17.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 137.49 INBOUND. FAS OBST: 884 AAO 434410N/0841938W FAC CROSSES RWY 18, 899 FT SOUTH OF THLD. CHART APT ELEV 635.									
MBS VOR/DME					HARPY INT/17.00 DME					317.49 / 17.00					2400														
1. PT <u>R</u> SIDE OF COURSE <u>317.49</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>HARPY</u> (IAF) 2. _____ 3. FAC <u>137.49</u> FAF <u>HARPY INT/17.00 DME</u> DIST FAF TO MAP <u>5.49</u> THLD _____ 4. MIN. ALT <u>HARPY 2400</u> 8. MSA FROM: <u>MBS VOR/DME 3100</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					
CIRCLING		1140		1		505		1140		1		505		1140		1 1/2		505				NA							
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MBS INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.																													
CITY AND STATE MIDLAND, MI										ELEVATION: 635 TDZE: AIRPORT NAME: JACK BARSTOW					FACILITY IDENTIFIER: MBS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 7 02 JUL 2009					SUP AMDT 6 DATE 03/15/2007							

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 5, 14 STANDARD.

RWY 23, STANDARD WITH A MINIMUM CLIMB OF 260 FT PER NM TO 1800, OR 1000-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 32, STANDARD WITH A MINIMUM CLIMB OF 290 FT PER NM TO 1100, OR 1000-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 23, 32-FOR CLIMB IN VISUAL CONDITIONS: CROSS PELLSTON RGNL AIRPORT OF EMMET COUNTY AT OR ABOVE 1600.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 5, VEHICLE ON ROAD 411' FROM DER, 588' LEFT OF CENTERLINE, 15' AGL/738' MSL. TREES BEGINNING 1070' FROM DER, 12' LEFT OF CENTERLINE, UP TO 100' AGL/838' MSL. RAILROAD 810' FROM DER, 672' RIGHT OF CENTERLINE, 23' AGL/744' MSL. TREES BEGINNING 1001' FROM DER, 288' RIGHT OF CENTERLINE, UP TO 100' AGL/821' MSL.
NOTE: RWY 14, TREES BEGINNING 1290' FROM DER, 814' LEFT OF CENTERLINE, UP TO 100' AGL/805' MSL.
RWY 23, VEHICLE ON ROAD 14' FROM DER, 463' LEFT OF CENTERLINE, 15' AGL/720' MSL. TREES BEGINNING 476' FROM DER, 53' LEFT OF CENTERLINE, UP TO 100' AGL/805' MSL. TREES BEGINNING 953' FROM DER, 240' RIGHT OF CENTERLINE, UP TO 100' AGL/820' MSL. TREE 2.97 NM FROM DER, 2771' RIGHT OF CENTERLINE, 100' AGL/1297' MSL.

(4) CONTROLLING OBSTACLES:

RWY 23: 1297 MSL TREE 453215.41N/0845135.74W, 1397 MSL TERRAIN 453115.81N/0845203.22W.

RWY 32: 872 MSL TREE 453512.83N/0844854.12W, 996 MSL TREE 453544.20N/0845013.01W.

VCOA: 1297 MSL TOWER 453215.41N/0845135.74W.

(5) City, State

PELLSTON, MI

(6) Airport

PELLSTON RGNL AIRPORT OF EMMET COUNTY

(7) Effective Date

02 JUL 2009

(8) Amdt. No.

AMDT 4

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

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

(3) TAKEOFF OBSTACLES NOTES:

NOTE: RWY 32, BUSH 107' FROM DER, 309' RIGHT OF CENTERLINE, 4' AGL/722' MSL. VEHICLE ON ROAD 1213' FROM DER, 809' RIGHT OF CENTERLINE, 15' AGL/752' MSL. TERRAIN
2127' FROM DER, 715' RIGHT OF CENTERLINE, 775' MSL. TREES BEGINNING 4336' FROM DER, 315' RIGHT OF CENTERLINE, UP TO 100' AGL/ 872' MSL. TREES BEGINNING 1932' FROM
DER, 20' LEFT OF CENTERLINE, UP TO 100' AGL/996' MSL.

City, State PELLSTON, MI		Airport PELLSTON RGNL AIRPORT OF EMMET COUNTY		Effective Date 02 JUL 2009	Amdt. No. AMDT 4
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	LNAV: RW07 CLIMB TO 3000 DIRECT WAGIT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 246.63 INBOUND. FAS OBST: 1079 AAO 430521N/0854514W FELYN TO RW07: 3.04/40.	
EZAYE (IAF)	HUUNT (NOPT) (FB)	156.26 / 5.00	3000		
JUBAD (IAF)	HUUNT (NOPT) (FB)	336.34 / 5.00	3000		
HUUNT (IF/IAF)	FELYN (FB)	066.30 / 6.10	2500		

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD SW HUUNT, RT, 066.30 INBOUND, 3000 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>066.39</u> FAF: <u>FELYN</u>	DIST FAF TO MAP: <u>5.22</u> THLD: <u>5.22</u>
4. MIN. ALT: <u>HUUNT 3000, FELYN 2500</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> </u>	

MINIMUMS															
TAKEOFF: <u> </u>	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	1340	1	565	1340	1	565		NA			NA				
CIRCLING	1340	1	565	1340	1	565		NA			NA				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE	ELEVATION: 775 TDZE: 775	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SPARTA, MI	AIRPORT NAME: PAUL C MILLER-SPARTA		RNAV (GPS) RWY 7, ORIG	AMDT: NONE
			02 JUL 2009	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.

TAA

	FROM	TO	ALT
1.	336/30 CW 156/30 (NOPT)	HUUNT (IF/IAF) (FB)	3000
2.	156/30 CW 246/30	EZAYE (IAF) (FB)	3000
3.	246/30 CW 336/30	JUBAD (IAF) (FB)	3000

QUALITY
2
CHECKED

CITY AND STATE

SPARTA, MI

ELEVATION: 775 TDZE: 775

AIRPORT NAME:

PAUL C MILLER-SPARTA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

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

[illegible]

DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EZAYE	EZAYE	010	IAF	IF		FB				
	EZAYE	HUUNT	020		TF		FB	1.0	156.3 (152T)	005.0	03000
	HUUNT	HUUNT	010		HF	R	FB		066.3 (062T)	004.0	03000
	JUBAD	JUBAD	010	IAF	IF		FB				
	JUBAD	HUUNT	020		TF		FB	1.0	336.3 (332T)	005.0	03000
		HUUNT	010	FACF	IF		FB				03000
		FELYN	020	PAF	TF		FB	0.5	066.3 (062T)	006.1	02500
		RW07	030	MAP	TF		FO	0.3	066.3 (062T)	005.2	00815

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WAGIT	040		DF		FO	1.0			03000
	WAGIT	050		HM	R	FO	2.0	246.6 (243T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EZAYE	N430640.26	W0855800.90	N4306.671	W08558.015
	FELYN	N430504.64	W0854728.01	N4305.077	W08547.467
	HUUNT	N430214.62	W0855450.52	N4302.244	W08554.842
	JUBAD	N425748.89	W0855140.59	N4257.815	W08551.677
	WAGIT	N431303.63	W0852630.85	N4313.061	W08526.514
	RW07	N430729.55	W0854109.32	N4307.493	W08541.155

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07	00775	40

CITY AND STATE
SPARTA, MI

ELEVATION: 775 TDZE: 775
 AIRPORT NAME:
PAUL C MILLER-SPARTA

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 7, ORIG
02 JUL 2009

SUP:
 AMDT: **NONE**
 DATED:

QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW25 CLIMB TO 3000 DIRECT HUUNT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 066.30 INBOUND. CHART FAS OBST: 920 TOWER 430838N/0853940W DADFY TO RW25: 3.04/40.	
NEWWT (IAF)	WAGIT (NOPT) (FB)	336.67 / 5.00	3000		
JEBIS (IAF)	WAGIT (NOPT) (FB)	156.59 / 5.00	3000		
WAGIT (IF/IAF)	DADFY (FB)	246.63 / 6.10	2500		

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD NE WAGIT, RT, 246.63 INBOUND, 3000 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>246.54</u> FAF: <u>DADFY</u>	DIST FAF TO MAP: <u>5.31</u> THLD: <u>5.31</u>
4. MIN. ALT: <u>WAGIT 3000, DADFY 2500, SINGS/2.65 NM TO RW25 1620</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 INCP: <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> </u>	

MAG VAR: 4W EPOCH YEAR: 1980

MINIMUMS																		
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A				STANDARD @							
CATEGORY =====>				A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA			
LNAV MDA	1220	1	445	1220	1	445		NA			NA							
CIRCLING	1280	1	505	1320	1	545		NA			NA							

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 775 TDZE: 775	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SPARTA, MI	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 25, ORIG	AMDT: NONE
	PAUL C MILLER-SPARTA		02 JUL 2009	DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TAA

	FROM	TO	ALT
1.	157/30 CW 337/30 (NOPT)	WAGIT (IF/IAF) (FB)	3000
2.	337/30 CW 067/30	NEWWT (IAF) (FB)	3000
3.	067/30 CW 157/30	JEBIS (IAF) (FB)	3000

CITY AND STATE

SPARTA, MI

ELEVATION: 775 TDZE: 775

AIRPORT NAME:

PAUL C MILLER-SPARTA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

QUALITY
2
CHECKED

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 8D4 K5FR25	AJEBIS	010JEBISK5EA0E	A	IF					18000			B	JS
SUSAP 8D4 K5FR25	AJEBIS	020WAGITK5EA0EE		010TF		15660050		+ 03000				B	JS
SUSAP 8D4 K5FR25	ANEWWT	010NEWWTK5EA0E	A	IF					18000			B	JS
SUSAP 8D4 K5FR25	ANEWWT	020WAGITK5EA0EE		010TF		33670050		+ 03000				B	JS
SUSAP 8D4 K5FR25	AWAGIT	010WAGITK5EA0EE	CR	HF		24660040		+ 03000	18000			B	JS
SUSAP 8D4 K5FR25	R	010WAGITK5EA0E	I	IF				+ 03000	18000			B	JS
SUSAP 8D4 K5FR25	R	020DADFYK5EA1E	F	051TF		24660061		+ 02500				B	JS
SUSAP 8D4 K5FR25	R	020DADFYK5EA2WN			N	ALNAV							JS
SUSAP 8D4 K5FR25	R	021SINGSK5EA0E	S	031TF		24650027		V 0162001647		-304		B	JS
SUSAP 8D4 K5FR25	R	030RW25 K5PGOGY	M	031TF		24650027		00785		-304		B	JS
SUSAP 8D4 K5FR25	R	040HUUNTK5EA0EYM		010DF				+ 03000				B	JS
SUSAP 8D4 K5FR25	R	050HUUNTK5EA0EE		HR020HM		06630040		+ 03000				B	JS

[illegible]

QUALITY
2
CHECKED

CITY AND STATE SPARTA, MI	ELEVATION: 775 TDZE: 775 AIRPORT NAME: PAUL C MILLER-SPARTA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 02 JUL 2009	SUP:
				AMDT: NONE
				DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEBIS	JEBIS	010	IAF	IF		FB				
	JEBIS	WAGIT	020		TF		FB	1.0	156.6 (153T)	005.0	03000
	NEWWT	NEWWT	010	IAF	IF		FB				
	NEWWT	WAGIT	020		TF		FB	1.0	336.7 (333T)	005.0	03000
	WAGIT	WAGIT	010		HF	R	FB		246.6 (243T)	004.0	03000
		WAGIT	010	FACF	IF		FB				03000
		DADFY	020	FAF	TF		FB	0.5	246.6 (243T)	006.1	02500
		SINGS	021	SDF	TF		FB	0.3	246.5 (243T)	002.7	0162001647
		RW25	030	MAP	TF		FO	0.3	246.5 (243T)	002.7	00785

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUUNT	040		DF		FO	1.0			03000
	HUUNT	050		HM	R	FO	2.0	066.3 (062T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DADFY	N431015.01	W0853355.20	N4310.250	W08533.920
	HUUNT	N430214.62	W0855450.52	N4302.244	W08554.842
	JEBIS	N431730.06	W0852939.70	N4317.501	W08529.662
	NEWWT	N430837.11	W0852322.46	N4308.619	W08523.374
	SINGS	N430901.43	W0853708.48	N4309.024	W08537.141
	WAGIT	N431303.63	W0852630.85	N4313.061	W08526.514
	RW25	N430747.97	W0854021.09	N4307.800	W08540.352

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00745	40

QUALITY
2
CHECKED

CITY AND STATE SPARTA, MI	ELEVATION: 775 TDZE: 775 AIRPORT NAME: PAUL C MILLER-SPARTA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 02 JUL 2009	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	
MKG VORTAC	EATUN INT/MKG 21.00 DME	099.50 / 21.00	2500	MAP: 4.70 MILES AFTER EATUN INT/21.00 DME OR AT MAHXY/MKG 16.30 DME FIX CLIMB TO 2500 THEN RIGHT TURN VIA HEADING 118.50 AND MKG R-100 TO EATUN INT/MKG 21.00 DME AND HOLD.
GRR VOR/DME	EATUN INT/MKG 21.00 DME	355.20 / 20.02	2500	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 279.50 INBOUND. CHART FAS OBST: 1050 TOWER 430708N/0853446W FAC CROSSES MID POINT OF RWY 7-25.

1. PT L SIDE OF COURSE 099.50 OUTBOUND 2500 FT WITHIN 10 MILES OF EATUN (IAF)
2. _____
3. FAC 279.50 FAF EATUN INT/MKG 21.00 DME DIST FAF TO MAP 4.70 THLD _____
4. MIN. ALT EATUN 2500
8. MSA FROM: MKG VORTAC 2900

MAG VAR: 1W

EPOCH YEAR: 1965

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA	STANDARD @						
CATEGORY >>>>>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
CIRCLING	1360	1	585	1360	1	585		NA			NA					

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET..

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE SPARTA, MI	ELEVATION: 775 TDZE: AIRPORT NAME: PAUL C MILLER-SPARTA	FACILITY IDENTIFIER: MKG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 3 02 JUL 2009	SUP VOR OR GPS-A AMDT 2B DATE 01/18/2007
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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.

QUALITY
2
CHECKED

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 / .76 (HDG) & 223.01 / 1.47 (I-SIJ)				4000*		CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 4000 DIRECT FGT VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 5000 VIA HEADING 223 AND VIA GEP VORTAC R-182 TO LYDIA/GEP 32.60 DME AND HOLD S, RT, 002.00 INBOUND.							
CUSAC INT (IF)		SNELL OM/INT/RADAR		222.61 / 6.00 (I-SIJ)				2500									
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 358.03 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S LYDIA/GEP 32.60 DME, RT, 002.00 INBOUND. CHART FAS OBST: 1158 ANT (KMSP0112) 445504N/0931000W CHART 1224 SPIRE 445649N/0930633W. CHART IN PLANVIEW: LYDIA/GEP 32.60 DME. SNELL TO RW22: 3.08/61							
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>223.01</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 2500</u> 8. MSA FROM: <u>GEP VORTAC 180-270 2700, 270-180 3500</u>														MAG VAR: 2E		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			
	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 *2600 WHEN AUTHORIZED BY ATC																	
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, ORIG-A				AMDT ORIG	
				MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN								02 JUL 2009				DATE 06/10/2004	

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								
GALAY			SUCOB (FB)			031.27 / 12.03			3000			LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3100 DIRECT KAMLY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 358.65 INBOUND. CHART FAS OBST: 1385 TREE 365520N/0940049W DISTANCE TO THLD FROM 300 HAT: 0.82 NM. CHART VDP AT 0.90 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 53403 REFERENCE PATH ID: W18A					
SUCOB (IAF)			REXXX (NOPT) (FB)			088.59 / 5.00			3000								
VAUNT (IAF)			REXXX (NOPT) (FB)			252.90 / 9.03			3000								
REXXX (IF/IAF)			JFOXX (FB)			178.65 / 6.00			2900								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N REXXX, RT, 178.65 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>178.65</u> FAF: <u>JFOXX</u> DIST FAF TO MAP: <u>4.79</u> THLD: <u>4.79</u> 4. MIN. ALT: REXXX 3000, JFOXX 2900, KNOXX/2.00 NM TO RW18 1980* 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>2900</u> GS ALT AT: <u>JFOXX</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW18 3100</u>																	
												MAG VAR: 3E EPOCH YEAR: 2000					
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X					
CATEGORY >>>>>>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1614	1	300	1614	1	300		NA			NA						
LNAV/VNAV DA	1663	1 1/4	349	1663	1 1/4	349		NA			NA						
LNAV MDA	1640	1	326	1640	1	326		NA			NA						
CIRCLING	1700	1	386	1780	1	466		NA			NA						
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOPLIN ALTIMETER SETTING AND INCREASE SEE 8260-10																	
CITY AND STATE				ELEVATION: 1314 TDZE: 1314				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MONETT, MO				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 18, AMDT 1				AMDT: ORIG-A	
				MONETT MUNI								02 JUL 2009				DATED 12/20/2007	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

ALL DA 111 FEET AND ALL MDA 120 FEET. INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS 1/2 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING JOPLIN ALTIMETER SETTING.

CITY AND STATE

MONETT, MO

ELEVATION: 1314 TDZE: 1314
AIRPORT NAME:

MONETT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 1
02 JUL 2009

SUP:

AMDT: ORIG-A

DATED: 12/20/2007

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHFJ
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	365447.0695N
LTP/FTP LONGITUDE	0940045.0455W
LTP/FTP ELLIPSOIDAL HEIGHT	+03715
FPAP LATITUDE	365317.8900N
FPAP LONGITUDE	0940048.2500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	B0250933

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04005
FPAP ORTHOMETRIC HEIGHT	+04005

CITY AND STATE

MONETT, MO

ELEVATION: 1314 TDZE: 1314
AIRPORT NAME:

MONETT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 1
02 JUL 2009

SUP:

AMDT: ORIG-A

DATED: 12/20/2007

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHFKJ3FR18	AGALAY	010GALAYK3EA0E	IF							18000		A JS	G
SUSAP KHFKJ3FR18	AGALAY	020SUCOBK3EA0E	A 020TF			03130120		+ 03000				A JS	G
SUSAP KHFKJ3FR18	AGALAY	030REXXXK3EA0EE	010TF			08860050		+ 03000				A JS	G
SUSAP KHFKJ3FR18	AREXXX	010REXXXK3EA0EE	CR HF			17670040		+ 03000		18000		A JS	G
SUSAP KHFKJ3FR18	AVAUNT	010VAUNTK3EA0E	A IF							18000		A JS	G
SUSAP KHFKJ3FR18	AVAUNT	020REXXXK3EA0EE	010TF			25290090		+ 03000				A JS	G
SUSAP KHFKJ3FR18	R	010REXXXK3EA0E	I IF					+ 03000		18000		A JS	G
SUSAP KHFKJ3FR18	R	020JFOXXXK3EA1E	F 051TF			17870060		+ 02900			RW18 K3PGA	JS	G
SUSAP KHFKJ3FR18	R	020JFOXXXK3EA2WALPV		ALNAV/VNAV	ALNAV							JS	G
SUSAP KHFKJ3FR18	R	021KNOXXXK3EA0E	S 031TF			17870028		V 0198001995		-300		A JS	G
SUSAP KHFKJ3FR18	R	030RW18 K3PG0GY	M 031TF			17870020		01354		-300		A JS	G
SUSAP KHFKJ3FR18	R	040KAMLYK3EA0EYM	010DF					+ 03100				A JS	G
SUSAP KHFKJ3FR18	R	050KAMLYK3EA0EE	HR020HM			35870040		+ 03100				A JS	G

[illegible]

CITY AND STATE

MONETT, MO

ELEVATION: 1314 TDZE: 1314

AIRPORT NAME:

MONETT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

02 JUL 2009

SUP:

AMDT:	ORIG-A
-------	--------

DATED: 12/20/2007

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SUSAP	KHFJK3PR18	RW18	001	0000W18A0N3654470695W09400450455+037150300N3653178900W09400482500106751224000400F400500B0250933G
SUSAP	KHFJK3PR18	RW18	002E	+04005+04005LPV 53403 000 G

[illegible]

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

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GALAY	GALAY	010		IF		FB				
	GALAY	SUCOB	020	IAF	TF		FB	2.0	031.3 (034T)	012.0	03000
	GALAY	REXXX	030		TF		FB	1.0	088.6 (092T)	005.0	03000
	REXXX	REXXX	010		HF	R	FB		178.7 (182T)	004.0	03000
	VAUNT	VAUNT	010	IAF	IF		FB				
	VAUNT	REXXX	020		TF		FB	1.0	252.9 (256T)	009.0	03000
		REXXX	010	FACF	IF		FB				03000
		JFOXX	020	FAF	TF		FB	0.5	178.7 (182T)	006.0	02900
		KNOXX	021	SDF	TF		FB	0.3	178.7 (182T)	002.8	0198001995
		RW18	030	MAP	TF		FO	0.3	178.7 (182T)	002.0	01354

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KAMLY	040		DF		FO	1.0			03100
	KAMLY	050		HM	R	FO	2.0	358.7 (002T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GALAY	N365546.64	W0941504.59	N3655.777	W09415.077
	JFOXX	N365934.80	W0940034.72	N3659.580	W09400.579
	KAMLY	N364248.05	W0940110.78	N3642.801	W09401.180
	KNOXX	N365647.18	W0940040.74	N3656.786	W09400.679
	REXXX	N370535.03	W0940021.75	N3705.584	W09400.363
	SUCOB	N370543.51	W0940536.58	N3705.725	W09406.610
	VAUNT	N370747.80	W0934924.63	N3707.797	W09349.411
	RW18	N365447.07	W0940045.05	N3654.785	W09400.751

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	01314	40

CITY AND STATE
MONETT, MO

ELEVATION: 1314 TDZE: 1314
 AIRPORT NAME:
MONETT MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 1
02 JUL 2009

SUP:
 AMDT: **ORIG-A**
 DATED: **12/20/2007**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
JENKY	NOCIC (FB)	237.74 / 9.85	3100	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT REXXX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 178.65 INBOUND. CHART FAS OBST: 1354 TREE 365330N/0940050W CHART FAS OBST: 1354 TREE 365358N/0940103W DISTANCE TO THLD FROM 277 HAT: 0.75 NM. CHART VDP AT 0.89 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 69303 REFERENCE PATH ID: W36A
NOCIC (IAF)	KAMLY (NOPT) (FB)	268.71 / 5.00	3100	
SUEEY (IAF)	KAMLY (NOPT) (FB)	309.78 / 9.75	3100	
FULLP (IAF)	KAMLY (NOPT) (FB)	088.58 / 5.64	3100	
KAMLY (IF/IAF)	EFFCO (FB)	358.65 / 6.00	3000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD S KAMLY, RT, 358.65 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 358.65 FAF: EFFCO DIST FAF TO MAP: 5.15 THLD: 5.15
4. MIN. ALT: KAMLY 3100, EFFCO 3000, HUFYY/2.10 NM TO RW36 2000*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3000 GS ALT AT: EFFCO OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 39.0 34:1 IS NOT CLEAR
8. MSA FROM: RW36 3100

MAG VAR: 3E EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		X									
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1577	1	277	1577	1	277		NA			NA					
LNAV/VNAV DA	1655	1 1/4	355	1655	1 1/4	355		NA			NA					
LNAV MDA	1620	3/4	320	1620	3/4	320		NA			NA					
CIRCLING	1700	1	386	1780	1	466		NA			NA					

NOTES:
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

CITY AND STATE	ELEVATION: 1314 TDZE: 1300	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONETT, MO	AIRPORT NAME: MONETT MUNI		RNAV (GPS) RWY 36, AMDT 1 02 JUL 2009	AMDT: ORIG-A
				DATED 12/20/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

***LNAV ONLY**

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOPLIN ALTIMETER SETTING AND INCREASE ALL DA 111 FEET AND ALL MDA 120 FEET. INCREASE LPV AND LNAV/VNAV VISIBILITY 1/2 MILE ALL CATS.

CITY AND STATE

MONETT, MO

ELEVATION: 1314 TDZE: 1300

AIRPORT NAME:

MONETT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

02 JUL 2009

SUP:

AMDT: ORIG-A

DATED: 12/20/2007

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHFJ
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	365357.6530N
LTP/FTP LONGITUDE	0940046.8190W
LTP/FTP ELLIPSOIDAL HEIGHT	+03668
FPAP LATITUDE	365526.8300N
FPAP LONGITUDE	0940043.6200W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

DE6D64DC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03957
FPAP ORTHOMETRIC HEIGHT	+03957

CITY AND STATE

MONETT, MO

ELEVATION: 1314 TDZE: 1300

AIRPORT NAME:

MONETT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

02 JUL 2009

SUP:

AMDT: ORIG-A

DATED: 12/20/2007

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KHFJK3FR36	AFULLP	010FULLPK3EA0E	A	IF					18000		A	JS
SUSAP	KHFJK3FR36	AFULLP	020KAMLYK3EA0EE		010TF		08860056	+	03100			A	JS
SUSAP	KHFJK3FR36	AJENKY	010JENKYK3EA0E		IF					18000		A	JS
SUSAP	KHFJK3FR36	AJENKY	020NOCICK3EA0E	A	020TF		23770099	+	03100			A	JS
SUSAP	KHFJK3FR36	AJENKY	030KAMLYK3EA0EE		010TF		26870050	+	03100			A	JS
SUSAP	KHFJK3FR36	AKAMLY	010KAMLYK3EA0EE	CR	HF		35870040	+	03100		18000	A	JS
SUSAP	KHFJK3FR36	ASUEEY	010SUEEYK3EA0E	A	IF					18000		A	JS
SUSAP	KHFJK3FR36	ASUEEY	020KAMLYK3EA0EE		010TF		30980098	+	03100			A	JS
SUSAP	KHFJK3FR36	R	010KAMLYK3EA0E	I	IF			+	03100		18000	A	JS
SUSAP	KHFJK3FR36	R	020EFFCOK3EA1E	F	051TF		35870060	+	03000			RW36	K3PGA JS
SUSAP	KHFJK3FR36	R	020EFFCOK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KHFJK3FR36	R	021HUFYYK3EA0E	S	031TF		35870031	V	0200002010		-300	A	JS
SUSAP	KHFJK3FR36	R	030RW36	K3PG0GY	M	031TF	35870021		01337		-300	A	JS
SUSAP	KHFJK3FR36	R	040REXXXK3EA0EYM		010DF			+	03000			A	JS
SUSAP	KHFJK3FR36	R	050REXXXK3EA0EE		HR020HM		17870040	+	03000			A	JS

[illegible]

CITY AND STATE MONETT, MO	ELEVATION: 1314 TDZE: 1300 AIRPORT NAME: MONETT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 02 JUL 2009	SUP:	
				AMDT:	ORIG-A
				DATED:	12/20/2007

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[illegible][illegible]

PAGE 5 OF 6 PAGES

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	FULLP	FULLP	010	IAF	IF		FB				
	FULLP	KAMLY	020		TF		FB	1.0	088.6(092T)	005.6	03100
	JENKY	JENKY	010		IF		FB				
	JENKY	NOCIC	020	IAF	TF		FB	2.0	237.7(241T)	009.9	03100
	JENKY	KAMLY	030		TF		FB	1.0	268.7(272T)	005.0	03100
	KAMLY	KAMLY	010		HF	R	FB		358.7(002T)	004.0	03100
	SUEEY	SUEEY	010	IAF	IF		FB				
	SUEEY	KAMLY	020		TF		FB	1.0	309.8(313T)	009.8	03100
		KAMLY	010	FACF	IF		FB				03100
		EFFCO	020	FAF	TF		FB	0.5	358.7(002T)	006.0	03000
		HUFYY	021	SDF	TF		FB	0.3	358.7(002T)	003.1	0200002010
		RW36	030	MAP	TF		FO	0.3	358.7(002T)	002.1	01337

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	REXXX	040		DF		FO	1.0			03000
	REXXX	050		HM	R	FO	2.0	178.7(182T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EFFCO	N364848.52	W0940057.89	N3648.809	W09400.965
	FULLP	N364257.60	W0940811.50	N3642.960	W09408.192
	HUFYY	N365151.54	W0940051.34	N3651.859	W09400.856
	JENKY	N364728.90	W0934416.65	N3647.482	W09344.278
	KAMLY	N364248.05	W0940110.78	N3642.801	W09401.180
	NOCIC	N364239.24	W0935457.83	N3642.654	W09354.964
	REXXX	N370535.03	W0940021.75	N3705.584	W09400.363
	SUEEY	N363610.44	W0935216.58	N3636.174	W09352.276
	RW36	N365357.65	W0940046.82	N3653.961	W09400.780

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01298	39

CITY AND STATE
MONETT, MO

ELEVATION: 1314 TDZE: 1300
 AIRPORT NAME:
MONETT MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1
02 JUL 2009

SUP:
 AMDT: **ORIG-A**
 DATED: **12/20/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
NEWLO (IAF)	CUNER (FB)	002.10 / 10.39	3000	LPV: DA LNAV/VNAV: DA LNAV: RW07 CLIMB TO 3000 DIRECT WELAL AND VIA 021.05 TRACK TO OTOCE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 208.82 INBOUND. CHART FAS OBST: 859 TREE 412008N/0821200W FAS OBST: 1029 AAO 411804N/0821512W 1049 AAO 411727N/0821640W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.37 MILES TO RW07* *LNAV ONLY. WAAS CHANNEL # 99612 REFERENCE PATH ID: W07A											
HUDDZ (IAF)	CUNER (FB)	124.54 / 5.54	3000												
CUNER (IF)	HAVIN (FB)	068.87 / 6.10	2400												
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 CUNER 3. FAC: <u>068.95</u> FAF: <u>HAVIN</u> DIST FAF TO MAP: <u>4.81</u> THLD: <u>4.81</u> 4. MIN. ALT: <u>CUNER 3000, HAVIN 2400</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>2400</u> GS ALT AT: <u>HAVIN</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.7</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW07 3100</u>				MAG VAR: 4W EPOCH YEAR: 1965											
MINIMUMS															
TAKEOFF: <u> </u>	<u>STANDARD</u>	<u>X</u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>NA</u>	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
LPV DA	993	1/2	200	993	1/2	200	993	1/2	200	993	1/2	200			
LNAV/VNAV DA	1133	3/4	340	1133	3/4	340	1133	3/4	340	1133	3/4	340			
LNAV MDA	1280	1/2	487	1280	1/2	487	1280	3/4	487	1280	1	487			
CIRCLING	1280	1	487	1280	1	487	1280	1 1/2	487	1360	2	567			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NEWLO VIA V5 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUDDZ VIA V426-584 WESTBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 793 TDZE: 793		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
LORAIN/ELYRIA, OH		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 7, ORIG				AMDT: NONE					
		LORAIN COUNTY RGNL				02 JUL 2009				DATED					

QUALITY
CHECKED

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLEVELAND-HOPKINS INTL ALTIMETER

SETTING AND INCREASE ALL DA 36 FEET, ALL MDA 40 FEET, INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE.

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

CITY AND STATE

LORAIN/ELYRIA, OH

ELEVATION: 793 TDZE: 793

AIRPORT NAME:

LORAIN COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLPR
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	412028.9600N
LTP/FTP LONGITUDE	0821109.1700W
LTP/FTP ELLIPSOIDAL HEIGHT	+02073
FPAP LATITUDE	412049.8700N
FPAP LONGITUDE	0821009.6200W
THRESHOLD CROSSING HEIGHT (TCH)	00053.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	96.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER DD61F29E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02418
FPAP ORTHOMETRIC HEIGHT	+02418

CITY AND STATE LORAIN/ELYRIA, OH	ELEVATION: 793 TDZE: 793 AIRPORT NAME: LORAIN COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG 02 JUL 2009	SUP:
				AMDT: NONE
				DATED: QUALITY CHECKED

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLPRK5FR07	AHUDDZ	010HUDDZK5EA0E	A	IF					18000		A	JS
SUSAP	KLPRK5FR07	AHUDDZ	020CUNERK5EA0EE		010TF		12450055	+	03000			A	JS
SUSAP	KLPRK5FR07	ANEWLO	010NEWLOK5EA0E	A	IF					18000		A	JS
SUSAP	KLPRK5FR07	ANEWLO	020CUNERK5EA0EE		010TF		00210104	+	03000			A	JS
SUSAP	KLPRK5FR07	R	010CUNERK5EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KLPRK5FR07	R	020HAVINK5EA1E	F	051TF		06890061	+	02400		RW07	K5PGA	JS
SUSAP	KLPRK5FR07	R	020HAVINK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KLPRK5FR07	R	030RW07	K5PG0GY	M	031TF	06900048		00847		-300	A	JS
SUSAP	KLPRK5FR07	R	040WELALK5EA0E	M	010DF							A	JS
SUSAP	KLPRK5FR07	R	0500TOCEK5EA0EY		010TF		0211	+	03000			A	JS
SUSAP	KLPRK5FR07	R	0600TOCEK5EA0EE		HR020HM		20880040	+	03000			A	JS

[illegible][illegible]

CITY AND STATE LORAIN/ELYRIA, OH	ELEVATION: 793 TDZE: 793 AIRPORT NAME: LORAIN COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG 02 JUL 2009	SUP:
				AMDT: NONE
				DATED:

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]

SUP:
AMDT: NONE
DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUDDZ	HUDDZ	010	IAF	IF		FB				
	HUDDZ	CUNER	020		TF		FB	1.0	124.5 (121T)	005.5	03000
	NEWLO	NEWLO	010	IAF	IF		FB				
	NEWLO	CUNER	020		TF		FB	1.0	002.1 (358T)	010.4	03000
		CUNER	010	FACF	IF		FB				03000
		HAVIN	020	FAF	TF		FB	0.5	068.9 (065T)	006.1	02400
		RW07	030	MAP	TF		FO	0.3	069.0 (065T)	004.8	00847

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WELAL	040		DF		FB	1.0			
	OTOCE	050		TF		FO	1.0	021.1 (017T)		03000
	OTOCE	060		HM	R	FO	2.0	208.8 (205T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUNER	N411551.52	W0822415.93	N4115.859	W08224.266
	HAVIN	N411826.76	W0821656.46	N4118.446	W08216.941
	HUDDZ	N411840.58	W0823035.35	N4118.676	W08230.589
	NEWLO	N410528.37	W0822348.55	N4105.473	W08223.809
	OTOCE	N413300.02	W0820256.91	N4133.000	W08202.949
	WELAL	N412144.99	W0820732.50	N4121.750	W08207.542
	RW07	N412028.96	W0821109.17	N4120.483	W08211.153

RUNWAY DATA	THRESHOLD		
RWY	ELEVATION	TCH	
RW07	00793	54	

CITY AND STATE

LORAIN/ELYRIA, OH

ELEVATION: 793 TDZE: 793

AIRPORT NAME:

LORAIN COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, ORIG

02 JUL 2009

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

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: DJB VOR/DME					
										CLIMBING LEFT TURN TO 3000 VIA HEADING 028.82 AND DJB VOR/DME R-029 DIRECT OTOCE INT AND HOLD.					
										ADDITIONAL FLIGHT DATA: HOLD NE, RT, 208.82 INBOUND. CHART FAS OBST: 1041 TOWER 412141N/0821250W CHART 1133 TOWER 411728N/0821852W. FAC 2734L OF RWY 7					
1. PT <u> R </u> SIDE OF COURSE <u> 250.00 </u> OUTBOUND <u> 2400 </u> FT WITHIN <u> 10 </u> MILES OF <u> DJB VOR/DME </u> (IAF)															
2. _____															
3. FAC <u> 070.00 </u> FAF _____ DIST FAF TO MAP _____ THLD _____															
4. MIN. ALT <u> SISAJ/3.20 DME 1440* </u>															
8. MSA FROM: <u> DJB VOR/DME 3100 </u>															
MAG VAR: 5W 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
CIRCLING	1440	1	647	1440	1	647	1440	1 3/4	647	1440	2	647			
SISAJ DME MINIMUMS															
CIRCLING	1300	1	507	1300	1	507	1300	1 1/2	507	1360	2	567			
NOTES: *1480 WHEN USING CLEVELAND-HOPKINS ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLEVELAND-HOPKINS INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.															
CITY AND STATE LORAIN/ELYRIA, OH				ELEVATION: 793 TDZE: AIRPORT NAME: LORAIN COUNTY RGNL		FACILITY IDENTIFIER: DJB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 3 02 JUL 2009				SUP VOR OR GPS-A			
												AMDT 2B			
												DATE 05/10/2007			

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW26 CLIMB TO 3000 DIRECT JEGUN AND VIA 214.62 TRACK TO LARIC AND HOLD. WHEN AUTHORIZED BY ATC, CLIMB-IN-HOLD TO 10,000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 169.49 INBOUND. CHART FAS OBST: 1179 TREE 394132N/0821110W QANGI TO RW26: 3.04/40.
FARLN	FEHOP (FB)	356.03 / 18.02	3000	
FEHOP (IAF)	OBKAE (NOPT) (FB)	349.32 / 5.00	3000	
ZZV VOR/DME (IAF)	OBKAE (NOPT) (FB)	201.35 / 11.71	3000	
OBKAE (IF/IAF)	QANGI (FB)	259.30 / 6.49	2700	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E OBKAE, RT, 259.30 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 259.22 FAF: QANGI DIST FAF TO MAP: 5.01 THLD: 5.01
- MIN. ALT: OBKAE 3000, QANGI 2700
- 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 NOT CLEAR
- MSA FROM: RW26 2700

MAG VAR: 7W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	X							
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1500	1	453	1500	1	453	1500	1 1/4	453		NA				
CIRCLING	1600	1	549	1600	1	549	1600	1 1/2	549		NA				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: USE ZANESVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE LANCASTER ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

CHART NOTE: PROCEDURE NA FOR ARRIVALS AT ZZV VOR/DME VIA V38 NORTHWEST BOUND.

CITY AND STATE	ELEVATION: 1051 TDZE: 1047	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:	SUP:
NEW LEXINGTON, OH	AIRPORT NAME: PERRY COUNTY		RNAV (GPS) RWY 26, ORIG 02 JUL 2009	AMD'T: NONE
				DATED

CHECKED

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 186 K5FR26	AFARLN	010FARLNK5EA0E	IF							18000		B JS	
SUSAP 186 K5FR26	AFARLN	020FEHOPK5EA0E	A 020TF			35600180	+	03000				B JS	
SUSAP 186 K5FR26	AFARLN	030OBKAEK5EA0EE	010TF			34930050	+	03000				B JS	
SUSAP 186 K5FR26	AOBKAE	010OBKAEK5EA0EE	CR HF			25930040	+	03000		18000		B JS	
SUSAP 186 K5FR26	AZZV	010ZZV K5D 0V	A IF							18000		B JS	
SUSAP 186 K5FR26	AZZV	020OBKAEK5EA0EE	010TF			20140117	+	03000				B JS	
SUSAP 186 K5FR26	R	010OBKAEK5EA0E	I IF				+	03000		18000		B JS	
SUSAP 186 K5FR26	R	020QANGIK5EA1E	F 051TF			25930065	+	02700			RW26	K5PGB JS	
SUSAP 186 K5FR26	R	020QANGIK5EA2WN		N	ALNAV							JS	
SUSAP 186 K5FR26	R	030RW26 K5PG0GY	M 031TF			25920050		01082		-304		B JS	
SUSAP 186 K5FR26	R	040JEGUNK5EA0E	M 010DF									B JS	
SUSAP 186 K5FR26	R	050LARICK5EA0EY	010TF			2146	+	03000				B JS	
SUSAP 186 K5FR26	R	060LARICK5EA0EE	HR020HM			16950040	+	03000				B JS	

[illegible]

CITY AND STATE NEW LEXINGTON, OH	ELEVATION: 1051 TDZE: 1047 AIRPORT NAME: PERRY COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 02 JUL 2009	SUP:
				AMDT: NONE
				DATED: QUALITY

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	10/1/01

QUALITY
S 4
CHECKED

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FARLN	FARLN	010		IF		FB				
	FARLN	FEHOP	020	IAF	TF		FB	2.0	356.0 (349T)	018.0	03000
	FARLN	OBKAE	030		TF		FB	1.0	349.3 (342T)	005.0	03000
	OBKAE	OBKAE	010		HF	R	FB		259.3 (252T)	004.0	03000
	ZZV	ZZV	010	IAF	IF		FB				
	ZZV	OBKAE	020		TF		FB	1.0	201.4 (194T)	011.7	03000
		OBKAE	010	FACF	IF		FB				03000
		QANGI	020	PAF	TF		FB	0.5	259.3 (252T)	006.5	02700
		RW26	030	MAP	TF		FO	0.3	259.2 (252T)	005.0	01082

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEGUN	040		DF		FB	1.0			
	LARIC	050		TF		FO	1.0	214.6 (208T)		03000
	LARIC	060		HM	R	FO	2.0	169.5 (163T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ZZV	N395627.09	W0815333.37	N3956.452	W08153.556
	FARLN	N392237.43	W0815054.57	N3922.624	W08150.910
	FEHOP	N394019.79	W0815521.03	N3940.330	W08155.351
	JEGUN	N394021.40	W0821626.20	N3940.357	W08216.437
	LARIC	N393344.58	W0822054.44	N3933.743	W08220.907
	OBKAE	N394505.84	W0815719.16	N3945.097	W08157.319
	QANGI	N394307.12	W0820519.76	N3943.119	W08205.329
	RW26	N394135.03	W0821130.74	N3941.584	W08211.512

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	01042	40

CITY AND STATE NEW LEXINGTON, OH	ELEVATION: 1051 TDZE: 1047	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 02 JUL 2009	SUP:
	AIRPORT NAME: PERRY COUNTY			AMDT: NONE
				DATED:

QUALITY
CHECKED

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: ZZV 20.30 DME FIX							
ZZV VOR/DME (IF/IAF)		GOFAR/14.90 DME		229.06 / 14.90				2700		CLIMB TO 3000 VIA ZZV VOR/DME R-229 TO LARIC INT/ZZV 30.98 DME AND HOLD. WHEN AUTHORIZED BY ATC CLIMB-IN-HOLD TO 10,000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 168.49 INBOUND. CHART FAS OBST: 1186 TOWER 394321N/0821158W GOFAR TO RW26: 2.82/40 CHART: APT ELEV 1051 CHART TDZE 1047							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE ZZV VOR/DME, RT, 229.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC 229.06 FAF GOFAR/14.90 DME _____ DIST FAF TO MAP _____ THLD 5.40 4. MIN. ALT ZZV VOR/DME 3000, GOFAR 2700 8. MSA FROM: ZZV VOR/DME 2700														MAG VAR: 6W		EPOCH YEAR: 1990	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		X					
CATEGORY ==>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-26	1620	1	573	1620	1 1/4	573	1620	1 1/2	573		NA						
CIRCLING	1620	1	569	1620	1 1/4	569	1620	1 1/2	569		NA						
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON ZZV VOR/DME AIRWAY RADIALS 298 CW 147. CHART NOTE: USE ZANESVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE LANCASTER ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.																	
CITY AND STATE NEW LEXINGTON, OH				ELEVATION: 1051 TDZE: 1047 AIRPORT NAME: PERRY COUNTY				FACILITY IDENTIFIER: ZZV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 26, AMDT 2 02 JUL 2009				SUP VOR/DME OR GPS RWY 26 AMDT 1A DATE 08/28/2008			

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW21 CLIMB TO 8100 DIRECT NASOE AND RIGHT TURN VIA TRACK 301.91 TO FERBI AND VIA TRACK 059.98 TO DDY VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.66 INBOUND. CHART FAS OBST: 5419 TREE 425546N/1062420W CHART FAS OBST: 5359 TREE 425441N/1062610W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 0.94 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 63012 REFERENCE PATH ID: W21A CHART APT ELEV 5350 CHART TDZE 5330											
DEALT	BUWME (FO)	313.08 / 18.70	8100												
DDY VORTAC	BUWME (FO)	164.73 / 2.65	8100												
WAPAP (IAF)	BUWME (NOPT) (FB)	223.59 / 26.16	7900												
AFYAB (IAF)	BUWME (NOPT) (FB)	231.34 / 26.35	7900												
GLEES (IAF)	BUWME (NOPT) (FB)	279.90 / 20.76	7900												
BUWME (IF/IAF)	CEMAG (FB)	212.03 / 6.10	7000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE BUWME, RT, 212.03 INBOUND, 7900 FT. IN LIEU OF PT (IAF) 3. FAC: 211.96 FAF: CEMAG _____ DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: BUWME 7900, CEMAG 7000, JUMRO/2.00 NM TO RW21 6020* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 7000 GS ALT AT: CEMAG _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.8 34:1 IS CLEAR 8. MSA FROM: RW21 10000				MAG VAR: 12E EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	5580	3/4	250	5580	3/4	250	5580	3/4	250	5580	3/4	250			
LNAV/VNAV DA	5629	1	299	5629	1	299	5629	1	299	5629	1	299			
LNAV MDA	5680	1	350	5680	1	350	5680	1	350	5680	1 1/4	350			
CIRCLING	5780	1	430	5800	1	450	5800	1 1/2	450	5900	2	550			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 38C (100F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DDY VORTAC AIRWAY RADIALS 159 CW 222.															
CITY AND STATE				ELEVATION: 5350 TDZE: 5330		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
CASPER, WY				AIRPORT NAME:		CASPER/NATRONA COUNTY INTL		RNAV (GPS) RWY 21, AMDT 2				AMDT: 1A			
								02 JUL 2009				DATED 07/05/2009			

 02 JUL 2009
 111710

**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	KCPR
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	425448.5800N
LTP/FTP LONGITUDE	1062655.4390W
LTP/FTP ELLIPSOIDAL HEIGHT	+16102
FPAP LATITUDE	425336.2500N
FPAP LONGITUDE	1062830.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00055.8
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

E52119F1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+16234
FPAP ORTHOMETRIC HEIGHT	+16234



CITY AND STATE

CASPER, WY

ELEVATION: 5350 TDZE: 5330

AIRPORT NAME:

CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 2

02 JUL 2009

SUP:

AMDT: 1A

DATED: 07/05/2007

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

[illegible]

CITY AND STATE CASPER, WY	ELEVATION: 5350 TDZE: 5330 AIRPORT NAME: CASPER/NATRONA COUNTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 2 02 JUL 2009	SUP:
				AMDT: 1A
				DATED: 07/05/2007

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
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1FR21	R	020CEMAGK1EA1E	F 051TF				21200061	+ 07000			RW21	K1PGA JS	G
SUSAP KCPRK1FR21	R	020CEMAGK1EA2WALPV		ALNAV/VNAV ALNAV								JS	G
SUSAP KCPRK1FR21	R	021JUMROK1EA0E	S 031TF				21200030	V 0602006023		-300		A JS	G
SUSAP KCPRK1FR21	R	030RW21 K1PGOGY	M 031TF				21200020	05382		-300		A JS	G
SUSAP KCPRK1FR21	R	040NASOEK1EA0E	M 010DF									A JS	G
SUSAP KCPRK1FR21	R	050FERBIK1EA0E	R010TFY				3019					A JS	G
SUSAP KCPRK1FR21	R	060DDY K1D 0VY	010TF				0600	+ 08100				A JS	G
SUSAP KCPRK1FR21	R	070DDY K1D 0VE	HR020HM				20470070	+ 08100				A JS	G
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1GRW21		0101652119	N42544858W106265544+0000			+1610205326000056150R							G
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1PR21	RW21 001	0000W21A0N4254485800W10626554390+161020300N4253362500W10628301100106750000000558F400500											G
SUSAP KCPRK1PR21	RW21 002E	+16234+16234LPV	63012										G
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KCPRK1SRW21	K1PG	0	18018010025									M	G

CITY AND STATE

CASPER, WY

ELEVATION: 5350

TDZE: 5330

AIRPORT NAME:

CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 2

02 JUL 2009

SUP:

AMDT: 1A

DATED: 07/05/2007

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AFYAB	AFYAB	010	IAF	IF		FB				
	AFYAB	BUWME	020		TF		FB	1.0	231.3 (243T)	026.4	07900
	DDY	DDY	010		IF		FB				
	DDY	BUWME	020	IAF	TF		FO	2.0	164.7 (177T)	002.7	08100
	DDY	BUWME	030		HF	R	FO		212.0 (224T)	007.0	07900
	DEALT	DEALT	010		IF		FB				
	DEALT	BUWME	020	IAF	TF		FO	2.0	313.1 (325T)	018.7	08100
	DEALT	BUWME	030		HF	R	FO		212.0 (224T)	007.0	07900
	GLEES	GLEES	010	IAF	IF		FB				
	GLEES	BUWME	020		TF		FB	1.0	279.9 (292T)	020.8	07900
	WAPAP	WAPAP	010	IAF	IF		FB				
	WAPAP	BUWME	020		TF		FB	1.0	223.6 (236T)	026.2	07900
		BUWME	010	FACF	IF		FB				07900
		CEMAG	020	FAF	TF		FB	0.5	212.0 (224T)	006.1	07000
		JUMRO	021	SDF	TF		FB	0.3	212.0 (224T)	003.0	0602006023
		RW21	030	MAP	TF		FO	0.3	212.0 (224T)	002.0	05382

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NASOE	040		DF		FB	1.0			
	FERBI	050		TF	R	FB	1.0	301.9 (314T)		
	DDY	060		TF		FO	1.0	060.0 (072T)		08100
	DDY	070		HM	R	FO	2.0	204.7 (217T)	007.0	08100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DDY	N430527.08	W1061637.29	N4305.451	W10616.622
	AFYAB	N431442.63	W1054418.07	N4314.711	W10544.301
	BUWME	N430248.46	W1061624.95	N4302.808	W10616.416
	CEMAG	N425825.16	W1062211.39	N4258.419	W10622.190
	DEALT	N424728.97	W1060148.83	N4247.483	W10601.814
	FERBI	N425918.12	W1064237.14	N4259.302	W10642.619
	GLEES	N425506.88	W1055009.15	N4255.115	W10550.153
	JUMRO	N425615.04	W1062502.14	N4256.251	W10625.036
	NASOE	N425123.12	W1063124.17	N4251.385	W10631.403
	WAPAP	N431739.27	W1054658.99	N4317.655	W10546.983
	RW21	N425448.58	W1062655.44	N4254.810	W10626.924

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5330
 AIRPORT NAME:
 CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 21, AMDT 2
 02 JUL 2009

SUP:
 AMDT: 1A
 DATED: 07/05/2007

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														
DDY VORTAC	EDIDY (FB)	136.68 / 6.69	8400	LPV: DA LNAV/VNAV: DA LNAV: RW26 CLIMB TO 8400 DIRECT DIBKE AND RIGHT TURN VIA TRACK 346.88 TO COKRO AND VIA TRACK 064.64 TO DDY VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.66 INBOUND. CHART FAS OBST: 5479 TREE 425531N/1062116W CHART FAS OBST: 5359 TREE 425441N/1062610W DISTANCE TO THLD FROM 250 HAT: 0.70 NM. CHART VDP AT 1.18 MILES TO RW26* *LNAV ONLY. WAAS CHANNEL # 78112 REFERENCE PATH ID: W26A CHART APT ELEV 5350 CHART TDZE 5335													
EDIDY (IAF)	AKICE (NOPT) (FB)	167.07 / 5.00	7800														
DEALT (IAF)	AKICE (NOPT) (FB)	302.75 / 10.31	7800														
AKICE (IF/IAF)	BOZTE (FB)	257.07 / 6.10	7000														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E AKICE, RT, 257.07 INBOUND, 7800 FT. IN LIEU OF PT (IAF) 3. FAC: 256.98 FAF: BOZTE DIST FAF TO MAP: 5.07 THLD: 5.07 4. MIN. ALT: AKICE 7800, BOZTE 7000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 7000 GS ALT AT: BOZTE OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 39.8 34:1 IS CLEAR 8. MSA FROM: RW26 10000				MAG VAR: 12E EPOCH YEAR: 1990													
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A													
CATEGORY =====>				STANDARD													
	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	5585	1	250	5585	1	250	5585	1	250	5585	1	250					
LNAV/VNAV DA	5629	1	294	5629	1	294	5629	1	294	5629	1	294					
LNAV MDA	5740	1	405	5740	1	405	5740	1 1/4	405	5740	1 1/4	405					
CIRCLING	5780	1	430	5800	1	450	5800	1 1/2	450	5900	2	550					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 38C (100F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DDY VORTAC AIRWAY RADIALS 106 CW 159.																	
CITY AND STATE				ELEVATION: 5350 TDZE: 5335				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
CASPER, WY				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 26, AMDT 1				AMDT: ORIG	
				CASPER/NATRONA COUNTY INTL								02 JUL 2009				DATED 07/05/2009	

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCPR
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	425432.1965N
LTP/FTP LONGITUDE	1062658.2935W
LTP/FTP ELLIPSOIDAL HEIGHT	+16094
FPAP LATITUDE	425430.4700N
FPAP LONGITUDE	1062859.5100W
THRESHOLD CROSSING HEIGHT (TCH)	00039.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	328CFF02

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+16226
FPAP ORTHOMETRIC HEIGHT	+16226

4
CHECKED

CITY AND STATE CASPER, WY	ELEVATION: 5350 TDZE: 5335 AIRPORT NAME: CASPER/NATRONA COUNTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1 02 JUL 2009	SUP:
				AMDT: ORIG
				DATED: 07/05/2007

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

[illegible]

CITY AND STATE CASPER, WY	ELEVATION: 5350 TDZE: 5335	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 26, AMDT 1	AMDT: ORIG
	CASPER/NATRONA COUNTY INTL		02 JUL 2009	DATED: 07/05/2007

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KCPRK1GRW26	0086792569	N42543220W	106265829+0200									G
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KCPRK1PR26	RW26 001	0000W26A0N	4254321965W	10626582935+160940300N	4254304700W	106285951001	06750104000398F	400500				G
	SUSAP KCPRK1PR26	RW26 002E		+16226+16226LPV		78112							G
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KCPRK1SRW26	K1PG		0	18018010025								M G

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5335
AIRPORT NAME:
CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, AMDT 1
02 JUL 2009

SUP:
AMDT: ORIG
DATED: 07/05/2007

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AKICE	AKICE	010		HF	R	FB		257.1 (269T)	007.0	07800
	DDY	DDY	010		IF		FB				
	DDY	EDIDY	020	IAF	TF		FB	2.0	136.7 (149T)	006.7	08400
	DDY	AKICE	030		TF		FB	1.0	167.1 (179T)	005.0	07800
	DEALT	DEALT	010	IAF	IF		FB				
	DEALT	AKICE	020		TF		FB	1.0	302.8 (315T)	010.3	07800
		AKICE	010	FACF	IF		FB				07800
		BOZTE	020	FAF	TF		FB	0.5	257.1 (269T)	006.1	07000
		RW26	030	MAP	TF		FO	0.3	257.0 (269T)	005.1	05364

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DIBKE	040		DF		FB	1.0			
	COKRO	050		TF	R	FB	1.0	346.9 (359T)		
	DDY	060		TF		FO	1.0	064.6 (077T)		08400
	DDY	070		HM	R	FO	2.0	204.7 (217T)	007.0	08400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DDY	N430527.08	W1061637.29	N4305.451	W10616.622
	AKICE	N425444.06	W1061146.44	N4254.734	W10611.774
	BOZTE	N425437.83	W1062004.57	N4254.631	W10620.076
	COKRO	N430232.66	W1063326.73	N4302.544	W10633.446
	DEALT	N424728.97	W1060148.83	N4247.483	W10601.814
	DIBKE	N425426.73	W1063313.78	N4254.446	W10633.230
	EDIDY	N425944.10	W1061153.08	N4259.735	W10611.885
	RW26	N425432.20	W1062658.29	N4254.537	W10626.972

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	05324	40

CITY AND STATE
CASPER, WY

ELEVATION: 5350 TDZE: 5335
 AIRPORT NAME:
 CASPER/NATRONA COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 26, AMDT 1
 02 JUL 2009

SUP:
 AMDT: ORIG
 DATED: 07/05/2007

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30664 ; Amdt. No. 3319]

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.

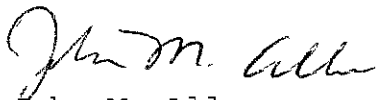
CONCLUSION

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 April 17,2009.



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, ISMLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs,

FDC Date	STATE	CITY	AIRPORT	FDC NUMBER	SUBJECT
04/14/09	OR	PORTLAND	PORTLAND-HILLSBORO	9/2206	ILS OR LOC RWY 12, AMDT 8B
04/02/09	CA	OAKLAND	METROPOLITAN OAKLAND INTL	9/2209	ILS RWY 29 (CAT II) AMDT 24...ILS RWY 29 (CAT III) AMDT 24
04/02/09	KS	SCOTT CITY	SCOTT CITY MUNI	9/2215	NDB RWY 35, AMDT 1
04/02/09	KS	JUNCTION CITY	FREEMAN FIELD	9/2216	RNAV (GPS) RWY 36, ORIG-B
04/02/09	KS	JUNCTION CITY	FREEMAN FIELD	9/2217	NDB OR GPS B, AMDT 4A
04/14/09	UT	SALT LAKE CITY	SALT LAKE CITY MUNI 2	9/2333	RNAV (GPS) Z RWY 34, ORIG
04/14/09	UT	SALT LAKE CITY	SALT LAKE CITY MUNI 2	9/2337	RNAV (GPS) Y RWY 34, ORIG
04/14/09	UT	SALT LAKE CITY	SALT LAKE CITY MUNI 2	9/2339	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 4
04/03/09	AK	GUSTAVUS	GUSTAVUS	9/2341	RNAV (GPS) Y RWY 29, ORIG
04/03/09	AK	GUSTAVUS	GUSTAVUS	9/2492	VOR/DME RWY 29, AMDT 1A
04/14/09	NC	ERWIN	HARNETT RGNL JETPORT	9/2799	RNAV (GPS) RWY 23, AMDT 2
04/14/09	NC	ERWIN	HARNETT RGNL JETPORT	9/2800	RNAV (GPS) RWY 5, AMDT 2
04/07/09	IA	ATLANTIC	ATLANTIC MUNI	9/2849	RNAV (GPS) RWY 2, ORIG
04/07/09	IA	ATLANTIC	ATLANTIC MUNI	9/2850	RNAV (GPS) RWY 20, ORIG
04/07/09	IA	ATLANTIC	ATLANTIC MUNI	9/2852	TAKE-OFF MINIMUMS AND OBSTACLE DP, AMDT 6
04/07/09	AK	GUSTAVUS	GUSTAVUS	9/2918	VOR/DME RWY 29, AMDT 1A
04/07/09	KS	WICHITA	COLONEL JAMES JABARA	9/2923	RNAV (GPS) E, ORIG
04/07/09	KS	WICHITA	COLONEL JAMES JABARA	9/2924	VOR A, AMDT 4
04/07/09	KS	WICHITA	COLONEL JAMES JABARA	9/2928	RNAV (GPS) RWY 18, ORIG-A
04/07/09	KS	WICHITA	COLONEL JAMES JABARA	9/2929	ILS OR LOC/DME RWY 18, ORIG
04/08/09	NE	IMPERIAL	IMPERIAL MUNI	9/3068	NDB RWY 31, AMDT 3A
04/08/09	KS	BELLEVILLE	BELLEVILLE MUNI	9/3069	NDB OR GPS RWY 36, AMDT 4
04/08/09	IA	DECORAH	DECORAH MUNI	9/3142	VOR RWY 29, AMDT 3A
04/15/09	WY	CASPER	NATRONA COUNTY INTL	9/3165	VOR/DME OR TACAN RWY 21, AMDT 8A
04/15/09	WY	CASPER	NATRONA COUNTY INTL	9/3166	VOR/DME RWY 3, AMDT 4A
04/15/09	WY	CASPER	NATRONA COUNTY INTL	9/3167	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 3
04/09/09	AR	TEXARKANA	TEXARKANA RGNL- WEBB FIELD	9/3279	RNAV (GPS) RWY 4, ORIG
04/09/09	AR	TEXARKANA	TEXARKANA RGNL- WEBB FIELD	9/3280	RNAV (GPS) RWY 22, ORIG
04/09/09	AR	TEXARKANA	TEXARKANA RGNL- WEBB FIELD	9/3281	RNAV (GPS) RWY 13, ORIG
04/09/09	AR	TEXARKANA	TEXARKANA RGNL- WEBB FIELD	9/3282	RNAV (GPS) RWY 31, ORIG
04/09/09	AR	TEXARKANA	TEXARKANA RGNL- WEBB FIELD	9/3283	VOR RWY 13, AMDT 16
04/09/09	NY	ROCHESTER	GREATER ROCHESTER INTL	9/3299	ILS OR LOC RWY 22, AMDT 6B

04/09/09	KS	WICHITA	WICHITA MID-CONTINENT	9/3445	RNAV (GPS) Z RWY 19L, ORIG-A
04/09/09	KS	WICHITA	WICHITA MID-CONTINENT	9/3446	RNAV (GPS) RWY 1R, ORIG
04/09/09	KS	WICHITA	WICHITA MID-CONTINENT	9/3447	RNAV (GPS) RWY 19R, ORIG
04/09/09	KS	WICHITA	WICHITA MID-CONTINENT	9/3449	RNAV (GPS) Z RWY 1L, ORIG
04/14/09	GA	BAINBRIDGE	DECATUR CO INDUSTRIAL AIR PARK	9/3505	RNAV (GPS) RWY 9, ORIG
04/15/09	OR	AURORA	AURORA STATE	9/3562	RNAV (GPS) RWY 35, ORIG-A
04/15/09	OR	AURORA	AURORA STATE	9/3564	RNAV (GPS) RWY 17, ORIG
04/13/09	PA	PITTSBURGH	PITTSBURGH INTL	9/3694	ILS RWY 10R, AMDT 10B
04/13/09	PA	PITTSBURGH	PITTSBURGH INTL	9/3695	ILS RWY 10R (CAT III), AMDT 10B
04/13/09	PA	PITTSBURGH	PITTSBURGH INTL	9/3696	ILS RWY 10R (CAT II), AMDT 10B
04/14/09	FL	PERRY	PERRY-FOLEY	9/3723	RNAV (GPS) RWY 36, ORIG-A
04/15/09	OK	MC ALESTER	MC ALESTER RGNL	9/3928	LOC RWY 1, AMDT 4
04/15/09	OK	MC ALESTER	MC ALESTER RGNL	9/3929	VOR/DME RWY 19, AMDT 2B
04/15/09	OK	MC ALESTER	MC ALESTER RGNL	9/3930	VOR-A, AMDT 13
04/15/09	OK	MC ALESTER	MC ALESTER RGNL	9/4003	TAKEOFF MINIMUMS AND OBSTACLE DP, ORIG

FDC 9/2206 HIO FI/P PORTLAND-HILLSBORO, PORTLAND, OR. ILS OR LOC RWY 12, AMDT 8B...CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORTLAND INTL ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 60 FEET. THIS IS ILS OR LOC RWY 12, AMDT 8C.

FDC 9/2209 OAK FI/P METROPOLITAN OAKLAND, OAKLAND, CA. ILS RWY 29 AMDT 24...ILS RWY 29 (CAT II) AMDT 24...ILS RWY 29 (CAT III) AMDT 24...S-ILS 29 DA 209/HAT 200 ALL CATS. S-LOC 29 (ATTENTION SYMBOL) MDA 560/HAT 551 ALL CATS. CIRCLING MDA 560/HAA 551 ALL CATS. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART APT ELEVATION: 9 CHART TDZ ELEVATION: 9 CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 29: DH 109, 105 RA, RVR 1200 HAT 100; CAT A, B, C, D. THIS IS ILS OR LOC RWY 29 AMDT 24A...THIS IS ILS RWY 29 (CAT II) AMDT 24A...THIS IS ILS RWY 29 (CAT III) AMDT 24A.

FDC 9/2215 TQK FI/P SCOTT CITY MUNI, SCOTT CITY, KS. NDB RWY 35, AMDT 1...DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE GARDEN CITY RGNL ALTIMETER SETTING. CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE GARDEN CITY ALTIMETER SETTING. S-35 HAT 517 ALL CATS. CIRCLING CAT A HAA 517, CAT B AND C HAA 557, CAT D HAA 657. GARDEN CITY REGIONAL ALTIMETER SETTING MINIMUMS S-35 HAT 617 ALL CATS. CIRCLING CAT A HAA 617, CAT B AND C HAA 637, CAT D HAA 757. CHART: FIELD ELEVATION 2963. CHART: TDZE 2963. THIS IS NDB RWY 35, AMDT 1A.

FDC 9/2216 3JC FI/P FREEMAN FIELD, JUNCTION CITY, KS. RNAV (GPS) RWY 36, ORIG-B...CAT C MINIMUMS NA. THIS IS RNAV (GPS) RWY 36, ORIG-C.

FDC 9/2217 3JC FI/P FREEMAN FIELD, JUNCTION CITY, KS. NDB OR GPS B, AMDT 4A...CAT C MINIMUMS NA. THIS IS NDB OR GPS B, AMDT 4B.

FDC 9/2333 U42 FI/P SALT LAKE CITY MUNI 2, SALT LAKE CITY, UT. RNAV (GPS) Z RWY 34, ORIG...CHANGE ALL REFERENCE TO SALT LAKE CITY MUNI 2, SALT LAKE CITY, UT. TO SOUTH VALLEY REGIONAL AIRPORT, SALT LAKE CITY, UT. THIS IS RNAV (GPS) Z RWY 34, ORIG-A.

FDC 9/2337 U42 FI/P SALT LAKE CITY MUNI 2, SALT LAKE CITY, UT. RNAV (GPS) Y RWY 34, ORIG...CHANGE ALL REFERENCE TO SALT LAKE CITY MUNI 2, SALT LAKE CITY, UT. TO SOUTH VALLEY REGIONAL AIRPORT, SALT LAKE CITY, UT. THIS IS RNAV (GPS) Y RWY 34, ORIG-A.

FDC 9/2339 U42 FI/P SALT LAKE CITY MUNI 2, SALT LAKE CITY, UT. TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 4...CHANGE ALL REFERENCE TO SALT LAKE CITY MUNI 2. TO SOUTH VALLEY REGIONAL AIRPORT. THIS IS TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 4A.

FDC 9/2341 GST FI/P GUSTAVUS, GUSTAVUS, AK. RNAV (GPS) Y RWY 29, ORIG...LNAV MDA 500/HAT 469 ALL CATS. CIRCLING MDA 560/HAA 525 CATS A/B/C, MDA 600/HAA 565 CAT D. ALTERNATE MINIMUMS: STANDARD, (ATTENTION SYMBOL) NA WHEN LOCAL WEATHER NOT AVAILABLE. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART VDP AT 1.36NM TO RWY 29. CHART TDZ ELEV 31. CHART APT ELEV 35. THIS IS RNAV (GPS) Y RWY 29, ORIG-A.

FDC 9/2492 GST FI/P GUSTAVUS, GUSTAVUS, AK. VOR/DME RWY 29, AMDT 1A...S-29: MDA 1100/HAT 1069 ALL CATS. CIRCLING: MDA 1100/HAA 1065 ALL CATS. CHART TDZ ELEV 31. CHART APT ELEV 35. THIS IS VOR/DME RWY 29, AMDT 1B.

FDC 9/2799 HRJ FI/P HARNETT RGNL JETPORT, ERWIN, NC. RNAV (GPS) RWY 23, AMDT 2...LPV DA CAT D NA. LNAV MDA CAT D NA. CIRCLING CAT D NA. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SMITHFIELD ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 60 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SMITHFIELD ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LPV VISIBILITIES 1/4 MILE, AND LNAV CAT C VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 23, AMDT 2A.

FDC 9/2800 HRJ FI/P HARNETT RGNL JETPORT, ERWIN, NC. RNAV (GPS) RWY 5, AMDT 2...LPV DA CAT D NA. LNAV MDA CAT D NA. CIRCLING CAT D NA. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SMITHFIELD ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SMITHFIELD ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LPV VISIBILITIES 1/4 MILE, AND LNAV CAT C VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 5, AMDT 2A.

FDC 9/2849 AIO FI/P ATLANTIC MUNI, ATLANTIC, IA. RNAV (GPS) RWY 2, ORIG...CIRCLING CATS A/B HAA 555. CIRCLING CAT C MDA 1760/HAA 595. CIRCLING CAT D HAA 775. CHART FIELD ELEVATION: 1165. THIS IS RNAV (GPS) RWY 2, ORIG-A.

FDC 9/2850 AIO FI/P ATLANTIC MUNI, ATLANTIC, IA. RNAV (GPS) RWY 20, ORIG...LNAV HAT 509 ALL CATS. CIRCLING CATS A/B HAA 555. CIRCLING CAT C MDA 1760/HAA 595. CIRCLING CAT D HAA 775. CHART FIELD ELEVATION: 1165 CHART TDZ ELEV 1151. THIS IS RNAV (GPS) RWY 20, ORIG-A.

FDC 9/2852 AIO FI/P ATLANTIC MUNI, ATLANTIC, IA TAKE-OFF MINIMUMS AND(OBSTACLE)DEPARTURE PROCEDURE(ODP)AMDT 6...TAKE-OFF MINIMUMS: RWY 20, 30, STANDARD RWY 2, 300 - 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 208 FT PER NM TO 1400 FT. RWY 12, 400 - 2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 321 FT PER NM TO 1700. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKE-OFF MINIMUMS AND(OBSTACLE)DEPARTURE PROCEDURE(ODP), AMDT 6A NEW DATA FROM 09/09/08 3RD PARTY SURVEY.

FDC 9/2918 GST FI/P GUSTAVUS, GUSTAVUS, AK. VOR/DME RWY 29, AMDT 1A...S-29 MDA 1100/HAT 1069 ALL CATS. CIRCLING MDA 1100/HAA 1065 ALL CATS. CHART TDZ ELEV 31. CHART APT ELEV 35. THIS IS VOR/DME RWY 29, AMDT 1B.

FDC 9/2923 AAO FI/P COLONEL JAMES JABARA, WICHITA, KS. RNAV (GPS) E, ORIG...CIRCLING CAT A MDA 1880/HAA 459. THIS IS RNAV (GPS) E, ORIG-A.

FDC 9/2924 AAO FI/P COLONEL JAMES JABARA, WICHITA, KS. VOR A, AMDT 4...CIRCLING CAT A MDA 1880/HAA 459. THIS IS VOR A, AMDT 4A.

FDC 9/2928 AAO FI/P COLONEL JAMES JABARA, WICHITA, KS. RNAV (GPS) RWY 18, ORIG-A...CIRCLING CAT A MDA 1880/HAA 459. THIS IS RNAV (GPS) RWY 18, ORIG-B.

FDC 9/2929 AAO FI/P COLONEL JAMES JABARA, WICHITA, KS. ILS OR LOC/DME RWY 18, ORIG...CIRCLING CAT A MDA 1880/HAA 459. THIS IS ILS OR LOC/DME RWY 18, ORIG-A.

FDC 9/3068 IML FI/P IMPERIAL MUNI, IMPERIAL, NE. NDB RWY 31, AMDT 3A...DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE OGALLALA ALTIMETER SETTING. CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE OGALLALA ALTIMETER SETTING. THIS IS NDB RWY 31, AMDT 3B.

FDC 9/3069 RPB FI/P BELLEVILLE MUNI, BELLEVILLE, KS. NDB OR GPS RWY 36, AMDT 4...S-36 MDA 2280/HAT 743 CATS A/B/C. CAT B VIS 1 1/4, CAT C 2 1/4. CIRCLING MDA 2280/HAA 743 CATS A/B/C. . CAT B VIS 1 1/4, CAT C 2 1/4. THIS IS NDB OR GPS RWY 36, AMDT 4A.

FDC 9/3142 DEH FI/P DECORAH MUNI, DECORAH, IA. VOR RWY 29, AMDT 3A...S-29 CAT A/B HAT 622. CIRCLING CAT A/B HAA 622. DME MINIMUMS: S-29 CAT A/B HAT 422. CIRCLING CAT A/B HAA 462. ARPT ELEVATION: 1158 TDZ ELEVATION: 1158 THIS IS VOR RWY 29, AMDT 3B.

FDC 9/3165 CPR FI/P NATRONA COUNTY INTL, CASPER, WY. VOR/DME OR TACAN RWY 21, AMDT 8A...CHANGE ALL REFERENCE TO NATRONA COUNTY INTL, CASPER, WY. TO CASPER/NATRONA COUNTY INTL, CASPER, WY. S-21 MDA 5680/HAT 350 ALL CATS. CIRCLING MDA 5780/HAA 430 CAT A, MDA 5800/HAA 450 CATS B/C, MDA 5900/HAA 550 CAT D. CHART APT ELEVATION 5350 CHART TDZ ELEVATION 5330. THIS IS VOR/DME OR TACAN RWY 21, AMDT 8B.

FDC 9/3166 CPR FI/P NATRONA COUNTY INTL, CASPER, WY. VOR/DME RWY 3, AMDT 4A...CHANGE ALL REFERENCE TO NATRONA COUNTY INTL, CASPER, WY. TO CASPER/NATRONA COUNTY INTL, CASPER, WY. S-3 MDA 5820/HAT 492 ALL CATS. CIRCLING MDA 5820/HAA 470 CATS A/B/C, MDA 5900/HAA 550 CAT D. CHART APT ELEVATION 5350 CHART TDZ ELEVATION 5328. THIS IS VOR/DME RWY 3, AMDT 4B.

FDC 9/3167 CPR FI/P NATRONA COUNTY INTL, CASPER, WY. TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 3...CHANGE ALL REFERENCE TO NATRONA COUNTY INTL, CASPER, WY. TO CASPER/NATRONA COUNTY INTL, CASPER, WY. THIS IS TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 3A.

FDC 9/3279 TXK FI/P TEXARKANA REGIONAL-WEBB FIELD, TEXARKANA, AR. RNAV (GPS) RWY 4, ORIG...DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHREVEPORT RGNL, LA ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 160 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: BARO-VNAV NA WHEN USING SHREVEPORT RGNL, LA ALTIMETER SETTING. CHART NOTE: BARO-VNAV NA WHEN USING J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 4, ORIG-A.

FDC 9/3280 TXK FI/P TEXARKANA REGIONAL-WEBB FIELD, TEXARKANA, AR. RNAV (GPS) RWY 22, ORIG...CIRCLING CAT B MDA 860/HAA 470 DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHREVEPORT RGNL, LA ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 160 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET, INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, LNAV AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. DELETE NOTE: BARO-VNAV AND VDP NA WHEN USING SHREVEPORT RGNL, LA ALTIMETER SETTING. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING. DELETE NOTE: FOR INOPERATIVE MALSR INCREASE LPV ALL CATS VISIBILITY TO 3/4 AND LNAV/VNAV CAT D VISIBILITY TO 1. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO 1 1/4. THIS IS RNAV (GPS) RWY 22, ORIG-A.

FDC 9/3281 TXK FI/P TEXARKANA REGIONAL-WEBB FIELD, TEXARKANA, AR. RNAV (GPS) RWY 13, ORIG...CIRCLING CAT B MDA 860/HAA 470 DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHREVEPORT RGNL, LA ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 160 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. DELETE NOTE: BARO-VNAV AND VDP NA WHEN USING SHREVEPORT RGNL, LA ALTIMETER SETTING. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTER NA. THIS IS RNAV (GPS) RWY 13, ORIG-A.

FDC 9/3282 TXK FI/P TEXARKANA REGIONAL-WEBB FIELD, TEXARKANA, AR. RNAV (GPS) RWY 31, ORIG...DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHREVEPORT RGNL, LA ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 160 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS, AND LNAV CAT C VISIBILITY 1/4 MILE, LNAV CAT D VISIBILITY 1/2 MILE AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. DELETE NOTE: BARO-VNAV AND VDP NA WHEN USING SHREVEPORT RGNL, LA ALTIMETER SETTING. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 31, ORIG-A.

FDC 9/3283 TXK FI/P TEXARKANA REGIONAL-WEBB FIELD, TEXARKANA, AR. VOR RWY 13, AMDT 16...CIRCLING CAT B MDA 860/HAA 470 DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHREVEPORT RGNL, LA ALTIMETER SETTING AND INCREASE ALL MDAS 160 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-13 AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. DELETE NOTE: VDP NA WHEN USING SHREVEPORT RGNL, LA ALTIMETER SETTING. CHART NOTE: VDP NA WHEN USING J LYNN HELMS SEVIER COUNTY ALTIMETER SETTING. THIS IS VOR RWY 13, AMDT 16A.

FDC 9/3299 ROC FI/P GREATER ROCHESTER INTL, ROCHESTER, NY. ILS OR LOC RWY 22, AMDT 6B...DELETE NOTE: DME AND ADF REQUIRED. CHART NOTE: ADF REQUIRED. THIS IS ILS OR LOC RWY 22, AMDT 6C.

FDC 9/3445 ICT FI/P WICHITA MID-CONTINENT, WICHITA, KS. RNAV (GPS) Z RWY 19L, ORIG-A...LNAV MDA 1880/HAT 560 ALL CATS. CIRCLING MDA 1880/547 CATS A/B/C. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART VDP AT 1.59 MILES TO RW19L (ASTERISK). (ASTERISK) LNAV ONLY. DELETE NOTE: BARO-VNAV NA BELOW -17C (2F). DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) Z RWY 19L, ORIG-B.

FDC 9/3446 ICT FI/P WICHITA MID-CONTINENT, WICHITA, KS. RNAV (GPS) RWY 1R, ORIG...LNAV MDA 1740/HAT 419 ALL CATS. VIS CAT C RVR 4000. CHART VDP AT 1.15 MILES TO RW01R (ASTERISK). (ASTERISK) LNAV ONLY. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: BARO-VNAV NA BELOW -17C (2F). THIS IS RNAV (GPS) RWY 1R, ORIG-A.

FDC 9/3447 ICT FI/P WICHITA MID-CONTINENT, WICHITA, KS. RNAV (GPS) RWY 19R, ORIG...LNAV/VNAV DA 1741/HAT 411 ALL CATS. VIS RVR 5000 ALL CATS. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV CAT D VISIBILITY TO RVR 5000. DELETE NOTE: BARO-VNAV NA BELOW -17C (2F). THIS IS RNAV (GPS) RWY 19R, ORIG-A.

FDC 9/3449 ICT FI/P WICHITA MID-CONTINENT, WICHITA, KS. RNAV (GPS) Z RWY 1L, ORIG...LNAV/VNAV DA 1615/HAT 301 ALL CATS. LNAV MDA 1920/HAT 606 ALL CATS. VIS CAT C RVR 6000, CAT D 1 1/2. CIRCLING MDA 1920/HAA 587 ALL CATS. VIS CAT C 1 3/4. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). DELETE NOTE: BARO-VNAV N/A BELOW -17C (2F). DELETE NOTE: GPS OR RNP -0.3 REQUIRED. THIS IS RNAV (GPS) Z RWY 1L, ORIG-A.

FDC 9/3505 BGE FI/P DECATUR CO INDUSTRIAL AIR PARK, BAINBRIDGE, GA. RNAV (GPS) RWY 9, ORIG...CHART VDP AT 1.25 NM TO RW09. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 9, ORIG-A.

FDC 9/3562 UAO FI/P AURORA STATE, AURORA, OR. RNAV (GPS) RWY 35, ORIG-A...LNAV/VNAV DA 604/HAT 405 ALL CATS, VIS 1 1/2 ALL CATS. CIRCLING VIS CATS A/B 1 MILE. CHART FAS OBST: 325 TOWER 431310N/1224548W ALTERNATE MINIMUMS STANDARD EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 35, ORIG-B.

FDC 9/3564 UAO FI/P AURORA STATE, AURORA, OR. RNAV (GPS) RWY 17, ORIG...LNAV MDA 1060/HAT 860 ALL CATS, VIS CAT B 1 1/4, CAT C 2 1/2, CAT D 2 3/4. CIRCLING MDA 1060/HAA 860 ALL CATS, VIS CAT A 1, CAT C 2 1/2, CAT D 2 3/4. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MCMINNVILLE MUNI ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET; INCREASE LPV, LNAV/VNAV VISIBILITIES ALL CATS 1/4 MILE, INCREASE LNAV VISIBILITY CATS A/C/D 1/4 MILE, INCREASE CIRCLING VISIBILITIES CAT A/C/D 1/4 MILE. DELETE NOTE: BARO VNAV NA BELOW -15C (5F). CHART NOTE: FOR UNCOMPENSATED BARO VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). ALTERNATE MINIMUMS: CATS A/B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE. FAS OBST: 749 AAO 452049N/1224554W. THIS IS RNAV (GPS) RWY 17, ORIG-A.

FDC 9/3694 PIT FI/P PITTSBURGH INTERNATIONAL, PITTSBURGH, PA. ILS RWY 10R, AMDT 10B...DELETE ALL REFERENCE TO MM. THIS IS ILS OR LOC RWY 10R, AMDT 10C.

FDC 9/3695 PIT FI/P PITTSBURGH INTERNATIONAL, PITTSBURGH, PA. ILS RWY 10R (CAT III), AMDT 10B...DELETE ALL REFERENCE TO MM. DELETE FROM PROFILE 1331 CHECK ALTITUDE. THIS IS ILS RWY 10R (CAT III), AMDT 10C.

FDC 9/3696 PIT FI/P PITTSBURGH INTERNATIONAL, PITTSBURGH, PA. ILS RWY 10R (CAT II), AMDT 10B...DELETE ALL REFERENCE TO MM. THIS IS ILS RWY 10R (CAT II), AMDT 10C.

FDC 9/3723 40J FI/P PERRY-FOLEY, PERRY, FL. RNAV (GPS) RWY 36, ORIG-A...LNAV MDA 460/HAT 417 ALL CATS. VIS CAT C 1 1/4. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 36, ORIG-B.

FDC 9/3928 MLC FI/P MC ALESTER REGIONAL, MC ALESTER, OK. LOC RWY 1, AMDT 4...CHANGE ALL REFERENCE RWY 1/19 TO 2/20. THIS IS LOC RWY 1, AMDT 4A.

FDC 9/3929 MLC FI/P MC ALESTER REGIONAL, MC ALESTER, OK. VOR/DME RWY 19, AMDT 2B...CHANGE ALL REFERENCE RWY 1/19 TO 2/20. THIS IS VOR/DME RWY 19, AMDT 2C.

FDC 9/3930 MLC FI/P MC ALESTER REGIONAL, MC ALESTER, OK. VOR A, AMDT 13...CHANGE ALL REFERENCE RWY 1/19 TO 2/20. THIS IS VOR-A, AMDT 13A.

FDC 9/4003 MLC FI/P MCALESTER REGIONAL, MCALESTER OK TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG...CHANGE ALL REFERENCE RUNWAY 01/19 TO 02/20. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG-A.