

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 16-14

May 20, 2016

**PREPARED BY THE AERONAUTICAL INFORMATION GROUP, AJV-53
(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.**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31078](#); Amdt. No. [3697](#)]

**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 removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures (ODPs) 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. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001.

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 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 the National Flight Data Center at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Thomas J. Nichols, 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 removes SIAPS, Takeoff Minimums and/or ODPS. The complete regulatory 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, their complex nature, and the need for a special format make publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead 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, Takeoff Minimums and ODP listed on FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs, Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure, and the amendment number.

Availability and Summary of Material Incorporated by Reference

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPS, Takeoff Minimums and/or ODPS as identified in the amendatory language for part 97 of this final rule.

The Rule

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as Amended 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 that 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 procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C 553(d), good cause exists for making some SIAPs effective in less than 30 days.

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,
Navigation (Air).

Issued in Washington, DC on [MAY 20,2016](#)



John S. Duncan
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 removing Standard Instrument Approach Procedures and/or Takeoff Minimums and Obstacle Departure 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(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 23 JUNE 2016

Kokomo, IN, Kokomo Muni, ILS OF LOC RWY 23, Amdt 10B
 Kokomo, IN, Kokomo Muni, RNAV (GPS) RWY 5, Amdt 1
 Kokomo, IN, Kokomo Muni, RNAV (GPS) RWY 14, Orig-B
 Kokomo, IN, Kokomo Muni, RNAV (GPS) RWY 23, Amdt 1B
 Kokomo, IN, Kokomo Muni, RNAV (GPS) RWY 32, Orig-B
 Kokomo, IN, Kokomo Muni, Takeoff Minimums and Obstacle DP, Amdt 1
 Park Rapids, MN, Park Rapids Muni-Konshok Field, ILS OR LOC RWY 31, Amdt 1D
 Park Rapids, MN, Park Rapids Muni-Konshok Field, RNAV (GPS) RWY 13, Orig-B
 Park Rapids, MN, Park Rapids Muni-Konshok Field, RNAV (GPS) RWY 31, Orig-B
 Park Rapids, MN, Park Rapids Muni-Konshok Field, Takeoff Minimums and Obstacle DP, Amdt 1
 Park Rapids, MN, Park Rapids Muni-Konshok Field, VOR RWY 13, Amdt 9B
 Picayune, MS, Picayune Muni, RNAV (GPS) RWY 36, Amdt 2
 Picayune, MS, Picayune Muni, RNAV (GPS) Y RWY 18, Orig
 Picayune, MS, Picayune Muni, RNAV (GPS) Z RWY 18, Amdt 2
 Picayune, MS, Picayune Muni, VOR-A, Amdt 1
 Sallisaw, OK, Sallisaw Muni, NDB-A, Amdt 2, CANCELED
 Fond Du Lac, WI, Fond Du Lac County, LOC RWY 36, Amdt 1
 Fond Du Lac, WI, Fond Du Lac County, RNAV (GPS) RWY 18, Orig
 Fond Du Lac, WI, Fond Du Lac County, RNAV (GPS) RWY 36, Amdt 1
 Fond Du Lac, WI, Fond Du Lac County, VOR RWY 18, Amdt 7

Effective 21 JULY 2016

Kiana, AK, Bob Baker Memorial, RNAV (GPS) RWY 6, Orig-C
 Unalaska, AK, Unalaska, GPS-E, Orig, CANCELED
 Unalaska, AK, Unalaska, NDB-A, Amdt 3
 Unalaska, AK, Unalaska, RNAV (GPS)-B, Orig
 Leadville, CO, Lake County, LOZUL THREE Graphic DP
 Sandpoint, ID, Sandpoint, LOC-A, Amdt 2
 Sandpoint, ID, Sandpoint, RNAV (GPS)-B, Amdt 1
 Sandpoint, ID, Sandpoint, Takeoff Minimums and Obstacle DP, Amdt 1
 Fryeburg, ME, Eastern Slopes Rgnl, NDB RWY 32, Orig, CANCELED
 Fryeburg, ME, Eastern Slopes Rgnl, NDB-B, Amdt 2, CANCELED
 Winnemucca, NV, Winnemucca Muni, VOR RWY 14, Orig-B
 New York, NY, John F Kennedy Intl, RNAV (GPS) Z RWY 13R, Orig, CANCELED
 Rochester, NY, Greater Rochester Intl, ILS OR LOC RWY 22, Amdt 8B
 Rochester, NY, Greater Rochester Intl, ILS OR LOC RWY 28, Amdt 32
 Waverly, TN, Humphreys County, VOR/DME OR GPS-A, Amdt 2C, CANCELED
 Delta, UT, Delta Muni, Takeoff Minimums and Obstacle DP, Orig-A
 Jackson, WY, Jackson Hole, GEYSER FIVE Graphic DP

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR 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
OKK VORTAC	WOXOG INT/OKK VORTAC 4.54 DME	043.90 / 4.54	2400

ILS: DA
LOC: 4.20 NM AFTER WOXOG INT/OKK 4.54 DME

CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 2600 DIRECT OKK VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 2600 DIRECT MZZ VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 219.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW MZZ VOR/DME, LT, 067.00 INBOUND.
CHART FAS OBST: 959 TREE 403322N/0860134W
CHART VDP AT 1.46 DME*
DISTANCE VDP TO THLD 1.12 NM.
*LOC ONLY.
CHART CIRCLING ICON.
CHART IN PLANVIEW: (CFVNG) (403910.89N/0855346.72W).

MAG VAR: 5W EPOCH YEAR: 2020

- PT R SIDE OF COURSE 049.94 OUTBOUND 2400 FT WITHIN 10 MILES OF WOXOG (IAF)
-
- FAC: 229.94 FAF: WOXOG INT/OKK VORTAC 4.54 DME DIST FAF TO MAP: 4.20 THLD: 4.20
- MIN. ALT: WOXOG INT/OKK VORTAC 4.54 DME 2200, FROWN INT/OKK VORTAC 2.04 DME 1300*
- DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 760
- MIN GS INCPT: 2200 GS ALT AT: WOXOG 2200 OM: - MM: - IM: -
- GS ANGLE: 3.00 TCH: 44.1
- MSA FROM: OKK VORTAC 2900

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A <input checked="" type="checkbox"/> X														
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 23	1027	1/2	200	1027	1/2	200	1027	1/2	200	1027	1/2	200			
S-LOC 23	1300	1/2	473	1300	1/2	473	1300	1	473	1300	1	473			
CIRCLING	1300	1	468	1300	1	468	1400	1 1/2	568	1640	2 1/2	808			

FROWN FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)

S-LOC 23	1220	1/2	393	1220	1/2	393	1220	3/4	393	1220	3/4	393			
CIRCLING	1260	1	428	1300	1	468	1400	1 1/2	568	1640	2 1/2	808			

NOTES:

CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: I-OKK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 23, AMDT 10B, 06/23/2016	SUP: AMDT: 10A DATED 05/29/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR 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.

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CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: I-OKK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 23, AMDT 10B, 06/23/2016	SUP:
				AMDT: 10A
				DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KOKK

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
OKK	010	OKK	IF	FB										V
OKK	020	WOXOG	TF	FB								AA 02400		E
OKK	030	WOXOG	PI	FB		094.9	IOKK		L			AA 02400		EE A
	010	CFVNG	IF	FB			IOKK					AA 02400 GI 02200		E I
	020	WOXOG	CF	FB		230.0	IOKK	3.00		OKK		GI 02200 GS 02200		E F
	030	RW23	CF	FO		230.0	IOKK	3.00				AT 00863		GY M
	040		CA	FB		229.9						AA 02400		M
	050	OKK	DF	FO					R			AA 02600		VY
	060	OKK	HM	FO		219.0			R			AA 02600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
OKK	N403140.01	W0860328.80
CFVNG	N403910.89	W0855346.72
WOXOG	N403456.14	W0855921.15
IOKK (LOC)	N403108.73	W0860418.80

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW23	N403157.79	W0860314.66	00819	44.1



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827	FACILITY IDENTIFIER: I-OKK	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 23, AMDT 10B, 06/23/2016	SUP:
	AIRPORT NAME: KOKOMO MUNI			AMDT: 10A
				DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KOKK

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
OKK	010	OKK	IF	FB										V
OKK	020	WOXOG	TF	FB								AA 02400		E
OKK	030	WOXOG	PI	FB		094.9	IOKK		L			AA 02400		EE A
	010	CFVNG	IF	FB			IOKK					AA 02400		E I
	020	WOXOG	CF	FB		230.0	IOKK			OKK		AA 02200		E F
	021	FROWN	CF	FB		230.0	IOKK	3.01				AA 01300		E S
	030	RW23	CF	FO		230.0	IOKK	3.01				AT 00863		GY M
	040		CA	FB		229.9						AA 02400		M
	050	OKK	DF	FO					R			AA 02600		VY
	060	OKK	HM	FO		219.0			R			AA 02600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
OKK	N403140.01	W0860328.80
CFVNG	N403910.89	W0855346.72
FROWN	N403310.04	W0860140.15
WOXOG	N403456.14	W0855921.15
IOKK (LOC)	N403108.73	W0860418.80

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW23	N403157.79	W0860314.66	00819	44.1



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827	FACILITY IDENTIFIER: I-OKK	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 23, AMDT 10B, 06/23/2016	SUP:
	AIRPORT NAME: KOKOMO MUNI			AMDT: 10A
				DATED: 05/29/2014

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW05 (MAP)	1082 MSL	049.89	
1082 MSL	HADUN (FO)		3000

CITY AND STATE
KOKOMO, IN

ELEVATION: 832 **TDZE: 832**
 AIRPORT NAME:
KOKOMO MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, AMDT 1, 06/23/2016

SUP:	ORIG
AMDT:	ORIG
DATED:	07/29/2010



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

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CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 832 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1, 06/23/2016	SUP:
				AMDT: ORIG
				DATED: 07/29/2010

**RNAV 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	KOKK
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	403115.8145N
LTP/FTP LONGITUDE	0860409.5415W
LTP/FTP ELLIPSOIDAL HEIGHT	+02193
FPAP LATITUDE	403218.9290N
FPAP LONGITUDE	0860247.0065W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 951F2ED7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02537
FPAP ORTHOMETRIC HEIGHT	+02537



CITY AND STATE KOKOMO, IN	ELEVATION: 832	TDZE: 832	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1, 06/23/2016	SUP:	
	AIRPORT NAME: KOKOMO MUNI				AMDT:	ORIG
					DATED:	07/29/2010

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

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ARINC SUMMARY - KOKK

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
MIE	010	MIE	IF	FB										V
MIE	020	EDMEW	TF	FB	2.0	278.6						AA 02700		E A
MIE	030	WEBUX	TF	FB	1.0	347.3						AA 02400		EE B
OKK	010	OKK	IF	FB										V
OKK	020	WEBUX	TF	FO	2.0	230.4						AA 02400		EY
OKK	030	WEBUX	HF	FO		049.8			R			AA 02400		EE A
	010	WEBUX	IF	FB								AA 02400		E I
	020	BRIMM	TF	FB	1.0	049.8				RW05		AA 02200		E F
	021	ZODIR	TF	FB	0.3	049.9		3.00				AA 01500 GS 01509		E S
	030	RW05	TF	FO	0.3	049.9		3.00				AT 00872		GY M
	040		CA	FB		049.9						AA 01082		M
	050	HADUN	DF	FO								AA 03000		EY
	060	HADUN	HM	FO		230.0			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
MIE	N401414.25	W0852338.53
OKK	N403140.01	W0860328.80
EDMEW	N401618.41	W0861011.81
BRIMM	N402818.53	W0860801.03
HADUN	N403910.90	W0855346.69
WEBUX	N402407.46	W0861328.01
ZODIR	N402950.78	W0860600.63

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW05	N403115.81	W0860409.54	00832	40

CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 832	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1, 06/23/2016	SUP:
	AIRPORT NAME: KOKOMO MUNI			AMDT: ORIG
				DATED: 07/29/2010



**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	
UYAGU (IAF)	IJCIL (NOPT) (FB)	230.09 / 8.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW14
CEGEG (IAF)	IJCIL (NOPT) (FB)	049.92 / 8.00	3000	
IJCIL (IF/IAF)	ZAVIX (FB)	140.00 / 6.10	2600	CLIMB TO 3000 DIRECT EKQOR AND HOLD.
ZAVIX (FAF)	CUTUD/2.00 NM TO RW14 (FB)	140.07 / 3.41		
CUTUD/2.00 NM TO RW14	RW14 (MAP) (FO)	140.07 / 2.00		
RW14 (MAP)	1076 MSL	140.07		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 320.25 INBOUND. CHART FAS OBST: 949 TRE 403228N/0860431W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.01 NM TO RW14* *LNAV ONLY. WAAS CHANNEL # 78134 REFERENCE PATH ID: W14A CHART CIRCLING ICON. LTP HAE: 217.4 M
1076 MSL	EKQOR (FO)		3000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW IJCIL, RT, 140.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 140.07 FAF: ZAVIX DIST FAF TO MAP: 5.41 THLD: 5.41
- MIN. ALT: **IJCIL 3000, ZAVIX 2600, CUTUD/2.00 NM TO RW14 1500***
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: ZAVIX 2600 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: **5W** EPOCH YEAR: **2020**

MINIMUMS

TAKEOFF:	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	1076	1	250	1076	1	250	1076	1	250	1076	1	250			
LNAV/VNAV DA	1199	1 1/4	373	1199	1 1/4	373	1199	1 1/4	373	1199	1 1/4	373			
LNAV MDA	1200	1	374	1200	1	374	1200	1	374	1200	1	374			
CIRCLING	1260	1	428	1300	1	468	1400	1 1/2	568	1640	2 1/2	808			

NOTES:
 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: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 @ CAT D 900-2 1/2



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 826 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG-B, 06/23/2016	SUP: AMDT: ORIG-A DATED 04/02/2015
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TAA	FROM	TO	ALT
1.	050/30 CW 230/30 (NOPT)	IJCIL (IF/IAF) (FB)	3000
2.	230/30 CW 320/30	UYAGU (IAF) (FB)	3000
3.	320/30 CW 050/30	CEGEG (IAF) (FB)	3000



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 826 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG-B, 06/23/2016	SUP:
				AMDT: ORIG-A
				DATED: 04/02/2015

**RNAV 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	KOKK
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	403157.7095N
LTP/FTP LONGITUDE	0860342.7685W
LTP/FTP ELLIPSOIDAL HEIGHT	+02174
FPAP LATITUDE	403054.5235N
FPAP LONGITUDE	0860220.3350W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 9307DDAC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02518
FPAP ORTHOMETRIC HEIGHT	+02518



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 826 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG-B, 06/23/2016	SUP:
				AMDT: ORIG-A
				DATED: 04/02/2015

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

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ARINC SUMMARY - KOKK

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CEGEG	010	CEGEG	IF	FB										E A
CEGEG	020	IJCIL	TF	FB	1.0	049.9						AA 03000		EE B
IJCIL	010	IJCIL	HF	FO		140.0			R			AA 03000		EE A
UYAGU	010	UYAGU	IF	FB										E A
UYAGU	020	IJCIL	TF	FB	1.0	230.1						AA 03000		EE B
	010	IJCIL	IF	FB								AA 03000		E I
	020	ZAVIX	TF	FB	1.0	140.0						AA 02600		E F
	021	CUTUD	TF	FB	0.3	140.1		3.00				AA 01500 GS 01515		E S
	030	RW14	TF	FO	0.3	140.1		3.00				AT 00878		GY M
	040		CA	FB		140.1						AA 01076		M
	050	EKQOR	DF	FO								AA 03000		EY
	060	EKQOR	HM	FO		320.3			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CEGEG	N403426.93	W0862148.47
CUTUD	N403322.78	W0860533.86
EKQOR	N402318.95	W0855227.97
IJCIL	N404006.78	W0861423.02
UYAGU	N404546.14	W0860656.31
ZAVIX	N403547.65	W0860843.30

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14	N403157.71	W0860342.77	00826	52



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 826	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: KOKOMO MUNI		RNAV (GPS) RWY 14, ORIG B, 06/23/2016	AMDT: ORIG-B
				DATED: 04/02/2015

**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
MZZ VOR/DME	HADUN (FO)	319.05 / 13.79	2400
OKK VORTAC	HADUN (FO)	049.49 / 10.54	2400
FWA VORTAC (IAF)	HADUN (NOPT) (FB)	244.02 / 37.72	2400
HADUN (IF/IAF)	WOXOG (FB)	230.04 / 6.00	2200
WOXOG (FAF)	FROWN/1.70 NM TO RW23 (FB)	229.98 / 2.50	
FROWN/1.70 NM TO RW23 (SEE FORM 8260-10)	RW23 (MAP) (FO)	229.98 / 1.70	

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 3000 DIRECT WEBUX AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 049.83 INBOUND.
CHART FAS OBST: 959 TRE 403322N/0860134W
DISTANCE TO THLD FROM 200 HAT: 0.51 NM.
CHART VDP AT 1.12 NM TO RW23*
*LNAV ONLY.
WAAS CHANNEL # 40119
REFERENCE PATH ID: W23A
CHART CIRCLING ICON.
LTP HAE: 215.2 M

MAG VAR: 5W EPOCH YEAR: 2020

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE HADUN, RT, 230.04 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
- FAC: 229.98 FAF: WOXOG DIST FAF TO MAP: 4.20 THLD: 4.20
- MIN. ALT: HADUN 2400, WOXOG 2200, FROWN/1.70 NM TO RW23 1400*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: WOXOG 2200 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 44.1 34:1 IS CLEAR
- MSA FROM: RW23 2900

MINIMUMS

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1027	1/2	200	1027	1/2	200	1027	1/2	200	1027	1/2	200			
LNAV/VNAV DA	1224	7/8	397	1224	7/8	397	1224	7/8	397	1224	7/8	397			
LNAV MDA	1220	1/2	393	1220	1/2	393	1220	3/4	393	1220	3/4	393			
CIRCLING	1260	1	428	1300	1	468	1400	1 1/2	568	1640	2 1/2	808			

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. @ CAT D 900-2 1/2
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKK VORTAC ON V285 SOUTHBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FWA VORTAC AIRWAY RADIALS 168 CW 329.

CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1B, 06/23/2016	SUP: AMDT: 1A DATED 05/29/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW23 (MAP)	1027 MSL	229.98	
1027 MSL	WEBUX (FO)		3000



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1B, 06/23/2016	SUP:
				AMDT: 1A
				DATED: 05/29/2014

**RNAV 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	KOKK
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	403157.7910N
LTP/FTP LONGITUDE	0860314.6565W
LTP/FTP ELLIPSOIDAL HEIGHT	+02152
FPAP LATITUDE	403054.6710N
FPAP LONGITUDE	0860437.1775W
THRESHOLD CROSSING HEIGHT (TCH)	00044.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 7F1B8885

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02496
FPAP ORTHOMETRIC HEIGHT	+02496



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1B, 06/23/2016	SUP:
				AMDT: 1A
				DATED: 05/29/2014

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

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ARINC SUMMARY - KOKK

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
FWA	010	FWA	IF	FB										V A
FWA	020	HADUN	TF	FB	1.0	244.0						AA 02400		EE B
MZZ	010	MZZ	IF	FB										V
MZZ	020	HADUN	TF	FO	2.0	319.1						AA 02400		EY
MZZ	030	HADUN	HF	FO		230.0			R			AA 02400		EE A
OKK	010	OKK	IF	FB										V
OKK	020	HADUN	TF	FO	2.0	049.5						AA 02400		EY
OKK	030	HADUN	HF	FO		230.0			R			AA 02400		EE A
	010	HADUN	IF	FB								AA 02400		E I
	020	WOXOG	TF	FB	1.0	230.0				RW23		AA 02200		E F
	021	FROWN	TF	FB	0.3	230.0		3.00				AA 01400 GS 01404		E S
	030	RW23	TF	FO	0.3	230.0		3.00				AT 00863		GY M
	040		CA	FB		230.0						AA 01027		M
	050	WEBUX	DF	FO								AA 03000		EY
	060	WEBUX	HM	FO		049.8			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FWA	N405844.63	W0851117.01
MZZ	N402935.99	W0854045.30
OKK	N403140.01	W0860328.80
FROWN	N403310.04	W0860140.15
HADUN	N403910.90	W0855346.69
WEBUX	N402407.46	W0861328.01
WOXOG	N403456.14	W0855921.15

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW23	N403157.79	W0860314.66	00819	44.1



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 827	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1B, 06/23/2016	SUP:
	AIRPORT NAME: KOKOMO MUNI			AMDT: 1A
				DATED: 05/29/2014

**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	
POYIK (IAF)	EKQOR (NOPT) (FB)	230.33 / 8.00	3000	LP: RW32 LNAV: RW32
YILRU (IAF)	EKQOR (NOPT) (FB)	050.17 / 8.00	3000	
EKQOR (IF/IAF)	UHCEF (FB)	320.25 / 6.10	2600	CLIMB TO 3000 DIRECT IJCIL AND HOLD.
UHCEF (FAF)	OQXUQ/2.10 NM TO RW32 (FB)	320.18 / 3.32		
OQXUQ/2.10 NM TO RW32	RW32 (MAP) (FO)	320.18 / 2.10		
RW32 (MAP)	1200 MSL	320.18		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 140.00 INBOUND. CHART FAS OBST: 939 TREE 403020N/0860122W CHART FAS OBST: 1000 BLD 402956N/0860158W CHART VDP AT 1.01 NM TO RW32. WAAS CHANNEL # 69534 REFERENCE PATH ID: W32A UHCEF TO RW32: 3.00/50. CHART CIRCLING ICON. LTP HAE: 216.7 M
1200 MSL	IJCIL (FO)		3000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE EKQOR, RT, 320.25 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 320.18 FAF: UHCEF DIST FAF TO MAP: 5.42 THLD: 5.42
4. MIN. ALT: EKQOR 3000, UHCEF 2600, OQXUQ/2.10 NM TO RW32 1540
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: **5W** EPOCH YEAR: **2020**

MINIMUMS

TAKEOFF:	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
LP MDA	1200	1	374	1200	1	374	1200	1	374	1200	1	374			
LNAV MDA	1260	1	434	1260	1	434	1260	1 1/4	434	1260	1 1/4	434			
CIRCLING	1260	1	428	1300	1	468	1400	1 1/2	568	1640	2 1/2	808			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. @ CAT D 900-2 1/2
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 826 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG-B, 06/23/2016	SUP: AMDT: ORIG-A DATED 05/29/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA	FROM	TO	ALT
1.	230/30 CW 050/30 (NOPT)	EKQOR (IF/IAF) (FB)	3000
2.	050/30 CW 140/30	YILRU (IAF) (FB)	3000
3.	140/30 CW 230/30	POYIK (IAF) (FB)	3000

CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 826 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG-B, 06/23/2016	SUP:
				AMDT: ORIG-A
				DATED: 05/29/2014

QUALITY
18
CHECKED

**RNAV 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	KOKK
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	403129.6850N
LTP/FTP LONGITUDE	0860306.2125W
LTP/FTP ELLIPSOIDAL HEIGHT	+02167
FPAP LATITUDE	403232.8640N
FPAP LONGITUDE	0860428.6685W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER F04CF099

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02510
FPAP ORTHOMETRIC HEIGHT	+02510



CITY AND STATE KOKOMO, IN	ELEVATION: 832	TDZE: 826	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG-B, 06/23/2016	SUP:
	AIRPORT NAME: KOKOMO MUNI				AMDT: ORIG-A
					DATED: 05/29/2014

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

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

ARINC SUMMARY - KOKK

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
EKQOR	010	EKQOR	HF	FO		320.3			R			AA 03000		EE A
POYIK	010	POYIK	IF	FB										E A
POYIK	020	EKQOR	TF	FB	1.0	230.3						AA 03000		EE B
YILRU	010	YILRU	IF	FB										E A
YILRU	020	EKQOR	TF	FB	1.0	050.2						AA 03000		EE B
	010	EKQOR	IF	FB								AA 03000		E I
	020	UHCEF	TF	FB	1.0	320.3						AA 02600		E F
	021	OQXUQ	TF	FB	0.3	320.2		3.00				AA 01540 GS 01542		E S
	030	RW32	TF	FO	0.3	320.2		3.00				AT 00874		GY M
	040		CA	FB		320.2						AA 01200		M
	050	IJCIL	DF	FO								AA 03000		EY
	060	IJCIL	HM	FO		140.0			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
EKQOR	N402318.95	W0855227.97
IJCIL	N404006.78	W0861423.02
OQXUQ	N403000.32	W0860109.68
POYIK	N402856.90	W0854501.26
UHCEF	N402738.91	W0855805.57
YILRU	N401740.52	W0855953.44

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32	N403129.69	W0860306.21	00824	50



CITY AND STATE KOKOMO, IN	ELEVATION: 832 TDZE: 826	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG B, 06/23/2016	SUP:
	AIRPORT NAME: KOKOMO MUNI			AMDT: ORIG-A
				DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
KOKOMO, IN	KOKOMO MUNI	6/23/2016	1

TAKEOFF MINIMUMS:

STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, SIGN 20 FT FROM DER, 210 FT LEFT OF CENTERLINE, 3 FT AGL/821 FT MSL. TREES BEGINNING 501 FT FROM DER, 361 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/870 FT MSL. TREE 640 FT FROM DER, 466 FT LEFT OF CENTERLINE, 20 FT AGL/835 FT MSL. POLE 642 FT FROM DER, 653 FT LEFT OF CENTERLINE, 843 FT MSL. BLDGS BEGINNING 908 FT FROM DER, 706 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/856 FT MSL. POLE 971 FT FROM DER, 610 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/858 FT MSL. TREES, POLES BEGINNING 1042 FT FROM DER, 609 FT LEFT OF CENTERLINE, UP TO 48 FT AGL/870 FT MSL. ELEVATOR 1835 FT FROM DER, 361 FT RIGHT OF CENTERLINE, 41 FT AGL/867 FT MSL. TREES BEGINNING 3730 FT FROM DER, 1373 FT LEFT OF CENTERLINE, UP TO 928 FT MSL. TREES BEGINNING 3747 FT FROM DER, 1245 FT LEFT OF CENTERLINE, UP TO 936 FT MSL.

NOTE: RWY 14, TREE, BUSH BEGINNING 6 FT FROM DER, 196 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/849 FT MSL. TREE, FENCE, VERTICAL STRUCTURE BEGINNING 53 FT FROM DER, 153 FT RIGHT OF CENTERLINE, UP TO 9 FT AGL/831 FT MSL. BUSH, FENCE BEGINNING 116 FT FROM DER, 297 FT RIGHT OF CENTERLINE, UP TO 842 FT MSL. BLDG 2117 FT FROM DER, 488 FT LEFT OF CENTERLINE, 58 FT AGL/880 FT MSL. BLDG, ELEVATOR BEGINNING 2120 FT FROM DER, 485 FT LEFT OF CENTERLINE, UP TO 885 FT MSL. TREE 2181 FT FROM DER, 215 FT LEFT OF CENTERLINE, 64 FT AGL/890 FT MSL. TREES BEGINNING 2186 FT FROM DER, 213 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/904 FT MSL. TREE 2945 FT FROM DER, 1073 FT RIGHT OF CENTERLINE, 899 FT MSL.

NOTE: RWY 32, POST 0 FT FROM DER, 149 FT RIGHT OF CENTERLINE, 4 FT AGL/828 FT MSL. BLDGS BEGINNING 133 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/837 FT MSL. BLDGS BEGINNING 155 FT FROM DER, 490 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/843 FT MSL. POLES BEGINNING 706 FT FROM DER, 520 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/873 FT MSL. BLDGS, ELEVATOR, TREES BEGINNING 1592 FT FROM DER, 414 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/889 FT MSL. TREE 4804 FT FROM DER, 500 FT LEFT OF CENTERLINE, 121 FT AGL/949 FT MSL.

CONTROLLING OBSTACLES:



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
KOKOMO, IN	KOKOMO MUNI	6/23/2016	1

REMARKS:

FLIGHT INSPECTED BY:

PENDING

REQUIRED EFFECTIVE DATE:

6/23/2016

DEVELOPED BY:

JACOB POWERS
(JEFFREY ROBINSON)

Digitally signed by
JACOB POWERS
May 13, 2016

AJV-5421

03/03/2016

APPROVED BY:

TONY LAWSON

Digitally signed by
JACOB POWERS
May 13, 2016

AJV-5420

COORDINATED WITH:

ALPA, AOPA, NBAA, ZAU ARTCC, GUS APP CON, AMGR

CHANGES:

1. UPDATED TAKEOFF OBSTACLES.

REASONS:

1. MORE CURRENT OIS SURVEYS.



**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR 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: 5.25 MILES AFTER SPIDA LOM OR AT PKD VOR/DME 0.25 DME FIX
PKD VOR/DME	SPIDA LOM/PKD VOR/DME 5.50 DME	130.38 / 5.50	3200	CLIMB TO 3200 THEN LEFT TURN DIRECT SPIDA LOM AND HOLD.
1. PT <u>L</u> SIDE OF COURSE <u>131.07</u> OUTBOUND <u>3200</u> FT WITHIN <u>10</u> MILES OF <u>SPIDA LOM</u> (IAF) 2. _____ 3. FAC: <u>311.07</u> FAF: <u>SPIDA LOM/PKD VOR/DME 5.50 DME</u> DIST FAF TO MAP: <u>5.25</u> THLD: <u>5.25</u> 4. MIN. ALT: <u>SPIDA LOM 3200</u> 5. DIST TO THLD FROM OM: <u>5.25</u> MM: <u>0.43</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>950</u> 6. MIN GS INCPT: <u>3200</u> GS ALT AT: <u>-</u> OM: <u>3193</u> MM: <u>1632</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.7</u> 8. MSA FROM: <u>PK LOM 3400</u>				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 311.07 INBOUND. FAS OBST: 1659 AAO 465102N/0950055W CHART VDP AT 1.59 DME* DISTANCE VDP TO THLD 1.34 MILES. *LOC ONLY. CHART CIRCLING ICON. CHART IN PLANVIEW: (CFVLJ) AT 464547.52N/0945222.66W
				MAG VAR: 4E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A <input checked="" type="checkbox"/>								
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 31	1644	1/2	200	1644	1/2	200	1644	1/2	200	1644	1/2	200			
S-LOC 31	1920	1/2	476	1920	1/2	476	1920	1	476	1920	1	476			
CIRCLING	1920	1	475	1980	1	535	2000	1 1/2	555	2500	3	1055			

NOTES:
 CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.
 CHART NOTE: ADF REQUIRED.
 CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 (CONTINUED ON PAGE 2)



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: I-PKD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 31, AMDT 1D 23 JUNE 2016	SUP: AMDT: 1C DATED 02/05/2015
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR 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: VDP NA WHEN USING WADENA ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WADENA ALTIMETER SETTING AND INCREASE DA 75 FEET AND ALL MDA 80 FEET; INCREASE S-LOC 31 CAT C/D VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 31 CAT C/D VISIBILITY TO 1 3/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WADENA ALTIMETER SETTING, INCREASE S-ILS 31 ALL CATS VISIBILITY TO 7/8 MILE.



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: I-PKD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 31, AMDT 1D 23 JUNE 2016	SUP:
				AMDT: 1C
				DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KPKD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PKD	010	PKD	IF	FB										V
PKD	020	SPIDA	TF	FB								AA 03200		E
PKD	030	SPIDA	PI	FB		086.1	PKD		R			AA 03200		EE A
	010	CFVLJ	IF	FB			IPKD					AA 03200	GI 03200	E I
	020	SPIDA	CF	FB		311.0	IPKD	3.00		PK		GI 03200	GS 03193	E F
	030	RW31	CF	FO		311.0	IPKD	3.00				AT 01496		GY M
	040		CA	FB		311.1						AA 03200		M
	050	SPIDA	DF	FO					L			AA 03200		EY
	060	SPIDA	HM	FO		311.1			R			AA 03200		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PKD	N465353.34	W0950415.21
CFVLJ	N464547.52	W0945222.66
SPIDA	N465002.63	W0945831.90
IPKD (LOC)	N465431.34	W0950502.41
PK	N465002.54	W0945832.03

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N465345.78	W0950356.09	01443	52.7



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444	FACILITY IDENTIFIER: I-PKD	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 31, AMDT 1D 23 JUNE 2016	SUP:
	AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD		AMDT: 1C	
			DATED: 02/05/2015	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KPKD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PKD	010	PKD	IF	FB										V
PKD	020	SPIDA	TF	FB								AA 03200		E
PKD	030	SPIDA	PI	FB		086.1	PKD		R			AA 03200		EE A
	010	CFVLJ	IF	FB			IPKD					AA 03200		E I
	020	SPIDA	CF	FB		311.0	IPKD			PK		AA 03200		E F
	030	RW31	CF	FO		311.0	IPKD	3.06				AT 01496		GY M
	040		CA	FB		311.1						AA 03200		M
	050	SPIDA	DF	FO					L			AA 03200		EY
	060	SPIDA	HM	FO		311.1			R			AA 03200		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PKD	N465353.34	W0950415.21
CFVLJ	N464547.52	W0945222.66
SPIDA	N465002.63	W0945831.90
IPKD (LOC)	N465431.34	W0950502.41
PK	N465002.54	W0945832.03

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N465345.78	W0950356.09	01443	52.7



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	I-PKD	ILS OR LOC RWY 31, AMDT 1D 23 JUNE 2016	AMDT: 1C
				DATED: 02/05/2015

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
STRAW (IAF)	YONUR (NOPT) (FB)	114.32 / 11.71	3300	LP: RW13 LNAV: RW13
CELIS (IAF)	YONUR (NOPT) (FB)	200.77 / 23.54	3300	
YONUR (IF/IAF)	PEKLY (FB)	130.92 / 6.04	3200	CLIMB TO 3200 DIRECT ZUMLU AND HOLD.
PEKLY (FAF)	ZAMPU/2.00 NM TO RW13 (FB)	130.99 / 3.36		
ZAMPU/2.00 NM TO RW13	RW13 (MAP) (FO)	130.99 / 2.00		
RW13 (MAP)	1820 MSL	130.99		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 311.22 INBOUND. CHART FAS OBST: 1569 TREE 465549N/0950635W CHART FAS OBST: 1579 TREE 465533N/0950730W CHART VDP AT 1.03 MILES TO RW13 WAAS CHANNEL # 86925 REFERENCE PATH ID: W13A PEKLY TO RW13: 3.00/48. CHART CIRCLING ICON. LTP HAE: 413 M
1820 MSL	ZUMLU (FO)		3200	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW YONUR, RT, 130.92 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
- FAC: 130.99 FAF: PEKLY DIST FAF TO MAP: 5.36 THLD: 5.36
- MIN. ALT: YONUR 3300, PEKLY 3200, ZAMPU/2.00 NM TO RW13 2120
- 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: RW13 3400

MAG VAR: 4E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	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
LP MDA	1820	1	375	1820	1	375	1820	1	375	1820	1	375			
LNAV MDA	1840	1	395	1840	1	395	1840	1 1/8	395	1840	1 1/8	395			
CIRCLING	1900	1	455	1980	1	535	2000	1 1/2	555	2500	3	1055			

NOTES:
 CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STRAW ON V55 NORTHWEST BOUND.
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 @ CAT D 1100-3



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1445 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG-B 23 JUNE 2016	SUP: AMDT: ORIG-A DATED 05/28/2015
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CELIS ON V175 NORTHBOUND.

CHART NOTE: VDP NA WHEN USING WADENA ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WADENA ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LP CAT C/D VISIBILITY 3/8 MILE; INCREASE LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE.



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1445 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG-B 23 JUNE 2016	SUP:
				AMDT: ORIG-A
				DATED: 05/28/2015

**RNAV 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	KPKD
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	465424.1920N
LTP/FTP LONGITUDE	0950452.0045W
LTP/FTP ELLIPSOIDAL HEIGHT	+04130
FPAP LATITUDE	465321.1415N
FPAP LONGITUDE	0950320.2400W
THRESHOLD CROSSING HEIGHT (TCH)	00047.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 03C675B8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04403
FPAP ORTHOMETRIC HEIGHT	+04403



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445	TDZE: 1445	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG-B 23 JUNE 2016	SUP:
	AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD				AMDT: ORIG-A
					DATED: 05/28/2015

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

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ARINC SUMMARY - KPKD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CELIS	010	CELIS	IF	FB										E A
CELIS	020	YONUR	TF	FB	1.0	200.8						AA 03300		EE B
STRAW	010	STRAW	IF	FB										E A
STRAW	020	YONUR	TF	FB	1.0	114.3						AA 03300		EE B
YONUR	010	YONUR	HF	FO		130.9			R			AA 03300		EE A
	010	YONUR	IF	FB								AA 03300		E I
	020	PEKLY	TF	FB	1.0	130.9				RW13		AA 03200		E F
	021	ZAMPU	TF	FB	0.3	131.0		3.00				AA 02120 GS 02129		E S
	030	RW13	TF	FO	0.3	131.0		3.00				AT 01492		GY M
	040		CA	FB		131.0						AA 01820		M
	050	ZUMLU	DF	FO								AA 03200		EY
	060	ZUMLU	HM	FO		311.2			R			AA 03200		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CELIS	N472350.55	W0950213.14
PEKLY	N465811.70	W0951023.87
STRAW	N470801.55	W0953142.44
YONUR	N470227.53	W0951638.44
ZAMPU	N465549.08	W0950655.68
ZUMLU	N464513.47	W0945133.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N465424.19	W0950452.00	01445	47.7



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1445	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	RNAV	RNAV (GPS) RWY 13, ORIG-B 23 JUNE 2016	AMDT: ORIG-A
				DATED: 05/28/2015

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CUCAC (IAF)	ZUMLU (NOPT) (FB)	298.96 / 21.15	3200	LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3300 DIRECT YONUR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 130.92 INBOUND. CHART FAS OBST: 1549 TREE 465334N/0950410W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.97 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 82525 REFERENCE PATH ID: W31A CHART CIRCLING ICON. LTP HAE: 412.6 M
RECOS (IAF)	ZUMLU (NOPT) (FB)	224.70 / 18.77	3200	
WATAM (IAF)	ZUMLU (NOPT) (FB)	027.93 / 22.83	3200	
ZUMLU (IF/IAF)	HIBEP (FB)	311.22 / 6.70	3200	
HIBEP (FAF)	WUTED/1.60 NM TO RW31 (FB)	311.14 / 3.75		
WUTED/1.60 NM TO RW31 (SEE FORM 8260-10)	RW31 (MAP) (FO)	311.14 / 1.60		

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE ZUMLU, RT, 311.22 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 311.14 FAF: HIBEP DIST FAF TO MAP: 5.35 THLD: 5.35
4. MIN. ALT: ZUMLU 3200, HIBEP 3200, WUTED/1.60 NM TO RW31 2000*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3200 GS ALT AT: HIBEP 3200 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 52.7 34:1 IS CLEAR
8. MSA FROM: RW31 3400

MAG VAR: 4E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: 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	1644	1/2	200	1644	1/2	200	1644	1/2	200	1644	1/2	200			
LNAV/VNAV DA	1731	1/2	287	1731	1/2	287	1731	1/2	287	1731	1/2	287			
LNAV MDA	1800	1/2	356	1800	1/2	356	1800	5/8	356	1800	5/8	356			
CIRCLING	1900	1	455	1980	1	535	2000	1 1/2	555	2500	3	1055			

NOTES:
 CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 34C (93F).
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WADENA ALTIMETER SETTING.
 CHART NOTE: DME/DME RNP-0.3 NA.
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 @ CAT D 1100-3



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG-B 23 JUNE 2016	SUP: AMDT: ORIG-A DATED 02/05/2015
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW31 (MAP)	1644 MSL	311.14	
1644 MSL	YONUR (FO)		3300

NOTES, (CONT.):

- CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUCAC ON V55 SOUTHEAST BOUND.
- CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RECOS ON V82 NORTHWEST BOUND.
- CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATAM ON V175 SOUTHBOUND.
- CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
- CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WADENA ALTIMETER SETTING AND INCREASE ALL DA 75 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV ALL CATS AND CIRCLING CAT C VISIBILITY 1/4 MILE; INCREASE LNAV CAT C/D VISIBILITY 1/8 MILE.
- CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE AND LNAV CAT C/D VISIBILITY TO 1 MILE.
- CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WADENA ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE AND LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 MILES.



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG-B 23 JUNE 2016	SUP:
				AMDT: ORIG-A
				DATED: 02/05/2015

**RNAV 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	KPKD
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	465345.7835N
LTP/FTP LONGITUDE	0950356.0940W
LTP/FTP ELLIPSOIDAL HEIGHT	+04126
FPAP LATITUDE	465448.8260N
FPAP LONGITUDE	0950527.8825W
THRESHOLD CROSSING HEIGHT (TCH)	00052.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER FFAEABEB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04398
FPAP ORTHOMETRIC HEIGHT	+04398



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG-B 23 JUNE 2016	SUP:
				AMDT: ORIG-A
				DATED: 02/05/2015

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

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ARINC SUMMARY - KPKD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CUCAC	010	CUCAC	IF	FB										E A
CUCAC	020	ZUMLU	TF	FB	1.0	299.0						AA 03200		EE B
RECOS	010	RECOS	IF	FB										E A
RECOS	020	ZUMLU	TF	FB	1.0	224.7						AA 03200		EE B
WATAM	010	WATAM	IF	FB										E A
WATAM	020	ZUMLU	TF	FB	1.0	027.9						AA 03200		EE B
ZUMLU	010	ZUMLU	HF	FO		311.2			R			AA 03200		EE A
	010	ZUMLU	IF	FB								AA 03200		E I
	020	HIBEP	TF	FB	1.0	311.2				RW31		AA 03200		E F
	021	WUTED	TF	FB	0.3	311.1		3.00				AA 02000 GS 02005		E S
	030	RW31	TF	FO	0.3	311.1		3.00				AT 01496		GY M
	040		CA	FB		311.1						AA 01644		M
	050	YONUR	DF	FO								AA 03300		EY
	060	YONUR	HM	FO		130.9			R			AA 03300		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CUCAC	N463346.47	W0942545.23
HIBEP	N464958.42	W0945825.80
RECOS	N465738.18	W0943103.10
WATAM	N462552.91	W0950906.92
WUTED	N465237.83	W0950217.26
YONUR	N470227.53	W0951638.44
ZUMLU	N464513.47	W0945133.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N465345.78	W0950356.09	01443	52.7



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1444	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD		RNAV (GPS) RWY 31, ORIG-B	AMDT: ORIG-A
			23 JUNE 2016	DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
PARK RAPIDS, MN	PARK RAPIDS MUNI-KONSHOK FIELD	23 JUNE 2016	1

TAKEOFF MINIMUMS:

RWY 13, 18, 31, 36: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 36: CLIMB HEADING 355.99 TO 2000 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13: POLE 880 FT FROM DER, 711 FT LEFT OF CENTERLINE, 26 FT AGL/1467 FT MSL.

NOTE: RWY 18: TREES BEGINNING 1371 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 1549 FT MSL. TREES BEGINNING 3080 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 1539 FT MSL.

NOTE: RWY 31: VEHICLES ON ROAD BEGINNING 66 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 1462 FT MSL. TREES BEGINNING 359 FT FROM DER, 454 FT RIGHT OF CENTERLINE, UP TO 1468 FT MSL. TREES BEGINNING 799 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 1479 FT MSL. TREES BEGINNING 854 FT FROM DER, 296 FT RIGHT OF CENTERLINE, UP TO 1476 FT MSL.

NOTE: RWY 36: TREES AND BLDGS BEGINNING 575 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 1549 FT MSL. TREES BEGINNING 2802 FT FROM DER, 95 FT RIGHT OF CENTERLINE, UP TO 1559 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: **RWY 36:** 2138 FT MSL TOWER 465550.67N/0950028.02W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
PARK RAPIDS, MN	PARK RAPIDS MUNI-KONSHOK FIELD	23 JUNE 2016	1

REMARKS:

FLIGHT INSPECTED BY:

ALEX KRAUSE

FICO

Digitally signed by
JACOB POWERS
May 16, 2016

04/13/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JACOB POWERS
(JEFFREY ROBINSON)

AJV-5421

Digitally signed by
JACOB POWERS
May 16, 2016

01/19/2016

APPROVED BY:

GEORGE GONZALEZ

AJV-5420

Digitally signed by
JACOB POWERS
May 16, 2016

COORDINATED WITH:

CHANGES:

1. CHANGED ALL REFERENCES FOR RWY 17, 35 TO 18, 36.
2. ADDED TAKEOFF MINIMUMS AND TAKEOFF OBSTACLE NOTES FOR RWY 18, 36.
3. ADDED TEXTUAL DEPARTURE PROCEDURE AND CONTROLLING OBSTACLE DATA FOR RWY 36.
4. UPDATED TAKEOFF OBSTACLE NOTES FOR RWY 13, 31.

REASONS:

- 1, 2. FORMER TURF RUNWAY 17, 35 HAS BEEN PAVED, MARKED, LIGHTED, AND DESIGNATED RWY 18, 36.
- 2, 3. EVALUATION OF RWY 18, 36 ICA AND DIVERSE DEPARTURE AREAS.
4. CURRENT SURVEY DATA.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PKD VOR/DME	AMARE/6.00 DME	316.00 / 6.00	3400
STRAW (IAF)	PEGZY/12.00 DME (NOPT)	091.00 / 7.44 (HDG) & 136.00 / 5.63 (PKD R-316)	3500
PAWTA/12.00 DME CCW (IAF)	PEGZY/12.00 DME (NOPT)	12.00 DME ARC	3500
PEGZY/12.00 DME (IF)	AMARE/6.00 DME	136.00 / 6.00 (PKD R-316)	3200

MAP: MANDG/0.66 DME

CLIMB TO 3200 THEN LEFT TURN DIRECT PKD VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 306.00 INBOUND.
CHART FAS OBST: 1601 WNDML 465543N/0950442W
OBST: 1769 AAO 465826N/0951105W
CHART VDP AT 1.94 DME
DISTANCE VDP TO THLD 1.28 MILES.
CHART (CFFWW) AT INTERSECTION OF STRAW DR LEG AND INTERMEDIATE COURSE.
CHART PKD R-359 AT PAWTA.
ZOSKA TO RW13: 3.02/48.
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 609 FT FROM THLD.

- PT L SIDE OF COURSE 316.00 OUTBOUND 3400 FT WITHIN 10 MILES OF AMARE (IAF)
-
- FAC 136.00 FAF AMARE/6.00 DME DIST FAF TO MAP _____ THLD 5.34
- MIN. ALT AMARE 3200, ZOSKA/2.50 DME 2080
- MSA FROM: PKD VOR/DME 3400

MAG VAR: 4E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: 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-13	1900	1	455	1900	1	455	1900	1 3/8	455	1900	1 3/8	455			
CIRCLING	1900	1	455	1980	1	535	2000	1 1/2	555	2500	3	1055			

NOTES:

CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: DME REQUIRED. @ CAT D 1100-3

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: VDP NA WHEN USING WADENA ALTIMETER SETTING.

(CONTINUED ON PAGE 2)

CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1445	FACILITY IDENTIFIER: PKD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 13, AMDT 9B 23 JUNE 2016	SUP VOR/DME RWY 13
	AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD			AMDT 9A
	DATE 05/28/2015			

QUALITY
4
CHECKED

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WADENA ALTIMETER SETTING AND INCREASE ALL MDA 80 FT; INCREASE S-13 CAT C/D VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY
4
CHECKED

CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1445 AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD	FACILITY IDENTIFIER: PKD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 13, AMDT 9B 23 JUNE 2016	SUP: VOR/DME RWY 13
				AMDT: 9A
				DATED: 05/28/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.23

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ARINC SUMMARY - KPKD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PAWTA	010	PAWTA	IF	FB										E A
PAWTA	020	PEGZY	AF	FB		358.6	PKD		L			AA 03500		EE B
PKD	010	PKD	IF	FB										V
PKD	020	AMARE	TF	FB								AA 03400		E
PKD	030	AMARE	PI	FB		271.0	PKD		R			AA 03400		E A
PKD	040	PEGZY	CF	FB		136.0	PKD					AA 03400		EE B
STRAW	010	STRAW	IF	FB										E A
STRAW	020	CFFWW	TF	FB								AA 03500		E
STRAW	030	PEGZY	CF	FB		136.0	PKD					AA 03500		EE B
	010	PEGZY	IF	FB								AA 03500		E I
	020	AMARE	CF	FB		136.0	PKD			PKD		AA 03200		E F
	021	ZOSKA	CF	FB		136.0	PKD	3.02				AA 02080		E S
	030	MANDG	CF	FO		136.0	PKD	3.02				AT 01493		EY M
	040		CA	FB		136.0						AA 03200		M
	050	PKD	DF	FO					L			AA 03200		VY
	060	PKD	HM	FO		306.0			R			AA 03200		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PKD	N465353.34	W0950415.21
PAWTA	N470552.24	W0950326.67
STRAW	N470801.55	W0953142.44
AMARE	N465828.85	W0950953.14
CFFWW	N470722.13	W0952050.96
MANDG	N465423.86	W0950452.58
PEGZY	N470304.09	W0951532.03
ZOSKA	N465548.17	W0950635.90

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N465424.19	W0950452.00	01445	48



CITY AND STATE PARK RAPIDS, MN	ELEVATION: 1445 TDZE: 1445	FACILITY IDENTIFIER: PKD	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: VOR/DME RWY 13
	AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD		VOR RWY 13, AMDT 9B,	AMDT: 9A
			23 JUNE 2016	DATED: 05/28/2015

**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	
WISKO (IF/IAF)	ZIBAX (FB)	359.08 / 7.51	2000	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 1800 DIRECT CIQYI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 179.08 INBOUND. CHART FAS OBST: 154 TREE 302855N/0893921W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.03 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 42909 REFERENCE PATH ID: W36A CHART CIRCLING ICON. LTP HAE: -12.6 M
ZIBAX (FAF)	BUNVE/3.30 NM TO RW36 (FB)	359.08 / 2.69		
BUNVE/3.30 NM TO RW36	RW36 (MAP) (FO)	359.08 / 3.30		
RW36 (MAP)	304 MSL	359.08	1800	
304 MSL	CIQYI (FO)			

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD **S** WISKO, RT, 359.08 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 359.08 FAF: ZIBAX DIST FAF TO MAP: 5.99 THLD: 5.99
4. MIN. ALT: **WISKO 2000, ZIBAX 2000, BUNVE/3.30 NM TO RW36 1140***
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: ZIBAX 2000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 42.7 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 1E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	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	304	7/8	250	304	7/8	250	304	7/8	250	304	7/8	250			
LNAV/VNAV DA	340	1	286	340	1	286	340	1	286	340	1	286			
LNAV MDA	420	1	366	420	1	366	420	1	366	420	1	366			
CIRCLING	480	1	425	580	1	525	700	1 3/4	645	960	3	905			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING STENNIS INTL ALTIMETER SETTING.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 @ CAT D 1000-3



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 54 AIRPORT NAME: PICAYUNE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 23 JUNE 2016	SUP: AMDT: 1 DATED 09/25/2008
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):
CHART NOTE: PROCEDURE NA WHEN R-4403 A, B, C, OR E IS ACTIVE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STENNIS INTL ALTIMETER SETTING:
INCREASE LPV DA TO 338 AND ALL CATS VISIBILITY 1/8 MILE; INCREASE LNAV/VNAV DA TO 374 AND ALL CATS VISIBILITY 1/8 MILE; INCREASE ALL MDA 40 FEET AND LNAV CATS C AND D VISIBILITY 1/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA	FROM	TO	ALT
1.	269/30 CW 089/30 (NOPT)	269/20 CW 089/20	2100
2.	269/20 CW 089/20	WISKO (IF/IAF) (FB)	2000
3.	089/30 CW 269/30	WISKO (IF/IAF) (FO)	2000



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 54 AIRPORT NAME: PICAYUNE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 23 JUNE 2016	SUP:
				AMDT: 1
				DATED: 09/25/2008

**RNAV 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	KMJD
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	302850.2100N
LTP/FTP LONGITUDE	0893904.3350W
LTP/FTP ELLIPSOIDAL HEIGHT	-00126
FPAP LATITUDE	303019.5180N
FPAP LONGITUDE	0893904.1910W
THRESHOLD CROSSING HEIGHT (TCH)	00042.7
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 F95593A7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00149
FPAP ORTHOMETRIC HEIGHT	+00149



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 54 AIRPORT NAME: PICAYUNE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 23 JUNE 2016	SUP:
				AMDT: 1
				DATED: 09/25/2008

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

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ARINC SUMMARY - KMJD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
WISKO	010	WISKO	HF	FO		359.1			R			AA 02000		EE A
	010	WISKO	IF	FB								AA 02000		E I
	020	ZIBAX	TF	FB	1.0	359.1						AA 02000		E F
	021	BUNVE	TF	FB	0.3	359.1		3.00				AA 01140 GS 01142		E S
	030	RW36	TF	FO	0.3	359.1		3.00				AT 00092		GY M
	040		CA	FB		359.1						AA 00304		M
	050	CIQYI	DF	FO								AA 01800		EY
060	CIQYI	HM	FO		179.1			L			AA 01800		EE	

POINTS

POINT NAME	LATITUDE	LONGITUDE
BUNVE	N302531.75	W0893904.66
CIQYI	N304139.61	W0893903.10
WISKO	N301518.30	W0893905.64
ZIBAX	N302249.80	W0893904.92

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N302850.21	W0893904.34	00049	42.7



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 54	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PICAYUNE MUNI	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 JUNE 2016	AMDT: 1
				DATED: 09/25/2008

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
CIQYI (IF/IAF)	ASAGE (FB)	179.08 / 6.60	1800	LPV: DA LNAV/VNAV: DA LNAV: XOPXY (DO NOT EXCEED 185 KIAS) CLIMB TO 500, THEN CLIMBING RIGHT TURN TO 1800 DIRECT CIQYI AND HOLD.			
ASAGE (FAF)	HAPAV/2.50 NM TO XOPXY (FB)	179.08 / 2.37					
HAPAV/2.50 NM TO XOPXY	XOPXY (MAP) (FO)	179.08 / 2.50		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 264 TOWER 303107N/0893841W CHART: 396 TOWER 303517N/0893938W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. DISTANCE TO THLD FROM 288 HAT: 0.79 NM. CHART VDP AT 1.34 MILES TO XOPXY* *LNAV ONLY. WAAS CHANNEL # 42938 REFERENCE PATH ID: W18A CHART CIRCLING ICON. LTP HAE: -10.7 M			
XOPXY (MAP)	500 MSL	179.08	500				
500 MSL	CIQYI (FO)		1800				
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 1E EPOCH YEAR: 2000			
2. HOLD N CIQYI, LT, 179.08 INBOUND, 1800 FT. IN LIEU OF PT (IAF)							
3. FAC: <u>179.08</u> FAF: <u>ASAGE</u> DIST FAF TO MAP: <u>4.87</u> THLD: <u>5.37</u>							
4. MIN. ALT: <u>CIQYI 1800, ASAGE 1800, HAPAV/2.50 NM TO XOPXY 1040*</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>1800</u> GS ALT AT: <u>ASAGE 1800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>							
7. GS ANGLE: <u>3.00</u> TCH: <u>35.9</u> 34:1 IS NOT CLEAR							
8. MSA FROM: <u> </u>							

MINIMUMS															
TAKEOFF: 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	343	1	288	343	1	288	343	1	288	343	1	288			
LNAV/VNAV DA	587	1 7/8	532	587	1 7/8	532	587	1 7/8	532	587	1 7/8	532			
LNAV MDA	520	1	465	520	1	465	520	1 3/8	465	520	1 3/8	465			
CIRCLING	520	1	465	580	1	525		NA			NA				

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING STENNIS INTL ALTIMETER SETTING.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 (CONTINUED ON PAGE 2)



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 55 AIRPORT NAME: PICAYUNE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 18, ORIG 23 JUNE 2016	SUP: NONE DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USED STENNIS INTL ALTIMETER SETTING:
INCREASE LPV DA TO 377 AND VISIBILITY ALL CATS 1/8 MILE; INCREASE LNAV/VNAV DA TO 621 AND VISIBILITY ALL CATS 1/8 MILE; INCREASE ALL MDA 40 FEET.

TAA	FROM	TO	ALT
1.	089/30 CW 269/30 (NOPT)	089/8 CW 269/8	2800
2.	089/8 CW 269/8	CIQYI (IF/IAF) (FB)	1800
3.	269/30 CW 089/30	269/26 CW 089/26	2800
4.	269/26 CW 089/26	CIQYI (IF/IAF) (FO)	1800



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 55 AIRPORT NAME: PICAYUNE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 18, ORIG 23 JUNE 2016	SUP:
				AMDT: NONE
				DATED:

**RNAV 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	KMJD
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	302939.6840N
LTP/FTP LONGITUDE	0893904.2610W
LTP/FTP ELLIPSOIDAL HEIGHT	-00107
FPAP LATITUDE	302810.3765N
FPAP LONGITUDE	0893904.4050W
THRESHOLD CROSSING HEIGHT (TCH)	00035.9
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 1229E62A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00168
FPAP ORTHOMETRIC HEIGHT	+00168



CITY AND STATE PICAYUNE, MS	ELEVATION: 55	TDZE: 55	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 18, ORIG 23 JUNE 2016	SUP:
	AIRPORT NAME: PICAYUNE MUNI				AMDT: NONE
					DATED:

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

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ARINC SUMMARY - KMJD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CIQYI	010	CIQYI	HF	FO		179.1			L			AA 01800		EE A
	010	CIQYI	IF	FB								AA 01800		E I
	020	ASAGE	TF	FB	1.0	179.1						AA 01800		E F
	021	HAPAV	TF	FB	0.3	179.1		3.00				AA 01040 GS 01046		E S
	030	XOPXY	TF	FO	0.3	179.1		3.00				AT 00250		EY M
	040		CA	FB		179.1						AA 00500		M
	050	CIQYI	DF	FO					R			AA 01800	AB 185	EY
	060	CIQYI	HM	FO		179.1			L			AA 01800		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ASAGE	N303502.43	W0893903.74
CIQYI	N304139.61	W0893903.10
HAPAV	N303240.10	W0893903.97
XOPXY	N303009.76	W0893904.21

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302939.68	W0893904.26	00055	35.9



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 55	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 18, ORIG 23 JUNE 2016	SUP:
	AIRPORT NAME: PICAYUNE MUNI			AMDT: NONE
				DATED:

**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	
CIQYI (IF/IAF)	ASAGE (FB)	179.08 / 6.60	1800	LPV: DA LNAV/VNAV: DA LNAV: RW18
ASAGE (FAF)	HAPAV/3.00 NM TO RW18 (FB)	179.08 / 2.37		
HAPAV/3.00 NM TO RW18	RW18 (MAP) (FO)	179.08 / 3.00		CLIMB TO 1200, THEN CLIMBING RIGHT TURN TO 1800 DIRECT CIQYI AND HOLD.
RW18 (MAP)	1200 MSL	179.08	1200	
1200 MSL	CIQYI (FO)		1800	

ADDITIONAL FLIGHT DATA:
 CHART FAS OBST: 264 TOWER 303107N/0893841W
 CHART: 396 TOWER 303517N/0893938W
 CHART R-4403A.
 CHART R-4403B.
 CHART R-4403C.
 CHART R-4403E.
 CHART R-4403F.
 DISTANCE TO THLD FROM 288 HAT: 0.79 NM.
 CHART VDP AT 1.34 MILES TO RW18*
 *LNAV ONLY.
 WAAS CHANNEL # 99310
 REFERENCE PATH ID: W18B
 CHART CIRCLING ICON.
 LTP HAE: -10.7 M

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N CIQYI, LT, 179.08 INBOUND, 1800 FT. IN LIEU OF PT (IAF)
3. FAC: 179.08 FAF: ASAGE DIST FAF TO MAP: 5.37 THLD: 5.37
4. MIN. ALT: CIQYI 1800, ASAGE 1800, HAPAV/3.00 NM TO RW18 1040*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: ASAGE 1800 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 35.9 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 1E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	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	343	1	288	343	1	288	343	1	288	343	1	288			
LNAV/VNAV DA	587	1 7/8	532	587	1 7/8	532	587	1 7/8	532	587	1 7/8	532			
LNAV MDA	520	1	465	520	1	465	520	1 3/8	465	520	1 3/8	465			
CIRCLING	520	1	465	580	1	525	700	1 3/4	645	960	3	905			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING STENNIS INTL ALTIMETER SETTING.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 @ CAT D 1000-3



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 55 AIRPORT NAME: PICAYUNE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 18, AMDT 2 23 JUNE 2016	SUP: RNAV (GPS) RWY 18 AMDT: 1 DATED 09/25/2008
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CHART NOTE: PROCEDURE NA WHEN R-4403 B, C, OR E IS ACTIVE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USED STENNIS INTL ALTIMETER SETTING:
INCREASE LPV DA TO 377 AND VISIBILITY ALL CATS 1/8 MILE; INCREASE LNAV/VNAV DA TO 621 AND VISIBILITY ALL CATS 1/8 MILE; INCREASE ALL MDA 40 FEET AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA	FROM	TO	ALT
1.	089/30 CW 269/30 (NOPT)	089/8 CW 269/8	2800
2.	089/8 CW 269/8	CIQYI (IF/IAF) (FB)	1800
3.	269/30 CW 089/30	269/26 CW 089/26	2800
4.	269/26 CW 089/26	CIQYI (IF/IAF) (FO)	1800



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 55 AIRPORT NAME: PICAYUNE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 18, AMDT 2 23 JUNE 2016	SUP: RNAV (GPS) RWY 18
				AMDT: 1
				DATED: 09/25/2008

**RNAV 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	KMJD
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18B
LTP/FTP LATITUDE	302939.6840N
LTP/FTP LONGITUDE	0893904.2610W
LTP/FTP ELLIPSOIDAL HEIGHT	-00107
FPAP LATITUDE	302810.3765N
FPAP LONGITUDE	0893904.4050W
THRESHOLD CROSSING HEIGHT (TCH)	00035.9
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 4A195A6D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00168
FPAP ORTHOMETRIC HEIGHT	+00168



CITY AND STATE PICAYUNE, MS	ELEVATION: 55	TDZE: 55	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 18, AMDT 2 23 JUNE 2016	SUP: RNAV (GPS) RWY 18
	AIRPORT NAME: PICAYUNE MUNI				AMDT: 1
					DATED: 09/25/2008

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

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

ARINC SUMMARY - KMJD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CIQYI	010	CIQYI	HF	FO		179.1			L			AA 01800		EE A
	010	CIQYI	IF	FB								AA 01800		E I
	020	ASAGE	TF	FB	1.0	179.1						AA 01800		E F
	021	HAPAV	TF	FB	0.3	179.1		3.00				AA 01040 GS 01046		E S
	030	RW18	TF	FO	0.3	179.1		3.00				AT 00091		GY M
	040		CA	FB		179.1						AA 01200		M
	050	CIQYI	DF	FO					R			AA 01800		EY
	060	CIQYI	HM	FO		179.1			L			AA 01800		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ASAGE	N303502.43	W0893903.74
CIQYI	N304139.61	W0893903.10
HAPAV	N303240.10	W0893903.97

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302939.68	W0893904.26	00055	35.9



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 TDZE: 55	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 18, AMDT 2 23 JUNE 2016	SUP: RNAV (GPS) RWY 18
	AIRPORT NAME: PICAYUNE MUNI			AMDT: 1
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR 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: 5.23 MILES AFTER PCU VOR/DME OR AT XUJGY/PCU 5.23 DME FIX

CLIMBING LEFT TURN TO 1900 DIRECT PCU VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 129.20 INBOUND.
FAS OBST: 279 AAO 303157N/0894240W
CHART R-4403A.
CHART R-4403B.
CHART R-4403C.
CHART R-4403E.
CHART R-4403F.
CHART CIRCLING ICON.

- PT L SIDE OF COURSE 309.20 OUTBOUND 1900 FT WITHIN 10 MILES OF PCU VOR/DME (IAF)
-
- FAC 129.20 FAF PCU VOR/DME DIST FAF TO MAP 5.23 THLD
- MIN. ALT PCU VOR/DME 1900
- MSA FROM: PCU VOR/DME 1800

MAG VAR: **5E** EPOCH YEAR: **1965**

MINIMUMS

TAKEOFF:	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	540	1	485	580	1	525		NA			NA					

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USED STENNIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE PICAYUNE, MS	ELEVATION: 55 AIRPORT NAME: PICAYUNE MUNI	TDZE:	FACILITY IDENTIFIER: PCU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 1 23 JUNE 2016	SUP AMDT ORIG-A DATE 07/01/2010
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - TITLE 14 CFR 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.

ARINC SUMMARY - KMJD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PCU	010	PCU	HF	FO		264.2	PCU		R			AA 01900		VE A
	020	PCU	CF	FB		129.0	PCU			PCU		AA 01900		V F
	030	XUJGY	CF	FO		129.0	PCU	0.00				AT 00580		EY M
	040		CA	FB		129.0						AA 00455		M
	050	PCU	DF	FO					L			AA 01900		VY
	060	PCU	HM	FO		129.2			L			AA 01900		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PCU	N303340.20	W0894349.76
XUJGY	N303000.85	W0893929.36

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302939.68	W0893904.26	00055	
RW36	N302850.21	W0893904.34	00049	



CITY AND STATE PICAYUNE, MS	ELEVATION: 55	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PICAYUNE MUNI		PCU	VOR-A, AMDT 1 23 JUNE 2016	AMDT: ORIG-A
					DATED: 07/01/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR 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: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A														
CATEGORY =====>															
	MDA	VIS		MDA	VIS		MDA	VIS		MDA	VIS		MDA	VIS	

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 JUNE 2016



CITY AND STATE SALLISAW, OK	ELEVATION: 527 AIRPORT NAME: SALLISAW MUNI	TDZE:	FACILITY IDENTIFIER: IQS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, AMDT 2, 09/04/2003	SUP AMDT NONE DATE
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: BIBME/I-FLD 1.56 DME
OSH VORTAC	CADVU/I-FLD 5.08 DME	167.85 / 17.92	2800	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT OSH VORTAC, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FAH VOR/DME. ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.00 INBOUND. CHART FAS OBST: 920 TREE 434456N/0882917W CHART VDP AT 2.74 DME DISTANCE VDP TO THLD 1.66 MILES. CHART OSH R-111 AT ERAGE. CHART OSH R-212 AT DOYAG. CHART PLANVIEW NOTE: LOC OFFSET 2.06 DEGREES. CHART CIRCLING ICON CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE FAH VOR/DME, RT, 208.83 INBOUND CADVU TO RW36: 3.00/55 FAC CROSSES RWY C/L EXTENDED 2880 FT FROM THLD. CHART IN PLANVIEW: FAH VORDME.
BAE VORTAC (IAF)	GODEC/I-FLD 13.20 DME (NOPT)	340.51 / 27.94	2800	
ERAGE/OSH 26.00 DME CW (IAF)	GODEC/I-FLD 13.20 DME (NOPT)	26.00 DME ARC (OSH LR-165)	2800	
DOYAG/OSH 26.00 DME CCW (IAF)	GODEC/I-FLD 13.20 DME (NOPT)	26.00 DME ARC (OSH LR-175)	2800	
GODEC/13.20 DME (IF)	CADVU/I-FLD 5.08 DME	001.99 / 8.13 (I-FLD)	2100	

- PT L SIDE OF COURSE 181.99 OUTBOUND 2800 FT WITHIN 15 MILES OF CADVU (IAF)
-
- FAC 001.99 FAF CADVU/I-FLD 5.08 DME DIST FAF TO MAP _____ THLD 3.99
- MIN. ALT CADVU 2100, OHEGI/I-FLD 2.78 DME 1360
- MSA FROM: **OSH VORTAC 2700**

MAG VAR: **4W** EPOCH YEAR: **2020**

MINIMUMS

TAKEOFF: 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-LOC 36	1180	3/4	385	1180	3/4	385	1180	3/4	385	1180	3/4	385			
CIRCLING	1400	1	592	1400	1	592	1520	2	712	1520	2 1/4	712			

NOTES:

CHART PROFILE NOTE: USE I-FLD DME WHEN ON THE LOCALIZER COURSE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OSHKOSH ALTIMETER SETTING: INCREASE ALL MDA 40 FEET AND INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 36 CAT A/B VISIBILITY TO 1 MILE, AND S-LOC 36 CAT C/D (CONTINUED ON PAGE 2)



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 795 AIRPORT NAME: FOND DU LAC COUNTY	FACILITY IDENTIFIER: I-FLD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 36, AMDT 1 23 JUNE 2016	SUP LOC/DME RWY 36 AMDT ORIG DATE 10/25/2007
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**LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25**

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

NOTES, (CONT.):

VISIBILITY TO 1 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING OSHKOSH ALTIMETER SETTING, INCREASE S-LOC 36 CAT A/B

VISIBILITY TO 1 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BAE VORTAC AIRWAY RADIALS 302 CW 001.

CHART NOTE: VDP NA WHEN USING OSHKOSH ALTIMETER SETTING.

CHART NOTE: NIGHT LANDING: RWY 9, 27 NA.

CHART NOTE: DME REQUIRED

QUALITY
25
CHECKED

CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 795 AIRPORT NAME: FOND DU LAC COUNTY	FACILITY IDENTIFIER: I-FLD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 36, AMDT 1 23 JUNE 2016	SUP: LOC/DME RWY 36
				AMDT: ORIG
				DATED: 10/25/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KFLD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BAE	010	BAE	FC	FB		340.5	BAE					AA 02800		V A
BAE	020	GODEC	CF	FB		340.5	IFLD					AA 02800		EE B
DOYAG	010	DOYAG	IF	FB			OSH							E A
DOYAG	020	GODEC	AF	FB		212.3	OSH		L			AA 02800		EE B
ERAGE	010	ERAGE	IF	FB			OSH							E A
ERAGE	020	GODEC	AF	FB		111.2	OSH		R			AA 02800		EE B
OSH	010	OSH	IF	FB										V
OSH	020	CADVU	TF	FB								AA 02800		E
OSH	030	CADVU	PI	FB		137.0	IFLD		R			AA 02800		EE A
	010	GODEC	IF	FB			IFLD					AA 02800		E I
	020	CADVU	CF	FB		002.0	IFLD			OSH		AA 02100		E F
	021	OHEGI	CF	FB		002.0	IFLD	3.00				AA 01360		E S
	030	BIBME	CF	FO		002.0	IFLD	3.00				AT 01000		EY M
	040		CA	FB		002.0						AA 02000		M
	050	OSH	DF	FO								AA 03000		VY
	060	OSH	HM	FO		002.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BAE	N430700.67	W0881703.64
OSH	N435925.56	W0883321.36
IFLD (DME)	N434651.09	W0882918.41
DOYAG	N433754.09	W0885330.28
ERAGE	N434906.62	W0880020.62
BIBME	N434517.75	W0882910.34
CADVU	N434146.87	W0882900.14
GODEC	N433339.33	W0882836.64
OHEGI	N434404.23	W0882906.79
IFLD (LOC)	N434651.22	W0882914.87

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N434546.22	W0882910.31	00794	55



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 795	FACILITY IDENTIFIER: I-FLD	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: LOC RWY 36, AMDT 1 23 JUNE 2016	SUP: LOC/DME RWY 36
	AIRPORT NAME: FOND DU LAC COUNTY		AMDT: ORIG	
			DATED: 10/25/2007	

**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
NUNAE (IAF)	WESAK (FB)	274.18 / 8.00	3100
PROTN (IAF)	WESAK (FB)	093.92 / 8.00	3100
WESAK (IF)	ZIGOM (FB)	184.05 / 8.00	2500
ZIGOM (FAF)	RW18 (MAP) (FO)	184.05 / 5.25	
RW18 (MAP)	1300 MSL	184.05	1300
1300 MSL	BADAN (FO)		3000

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 1300 THEN CLIMBING RIGHT TURN 3000 DIRECT BADAN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 148.29 INBOUND.
CHART FAS OBST: 1094 TOWER 434727N/0882817W
DISTANCE TO THLD FROM 250 HAT: 0.67 NM.
CHART VDP AT 1.57 MILES TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 99638
REFERENCE PATH ID: W18A
CHART CIRCLING ICON.
LTP HAE: 202.8 M

MAG VAR: 4W EPOCH YEAR: 2020

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT WESAK
3. FAC: 184.05 FAF: ZIGOM DIST FAF TO MAP: 5.25 THLD: 5.25
4. MIN. ALT: WESAK 3100, ZIGOM 2500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2500 GS ALT AT: ZIGOM 2500 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM:

MINIMUMS

TAKEOFF:	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	1041	7/8	250	1041	7/8	250	1041	7/8	250	1041	7/8	250			
LNAV/VNAV DA	1283	1 3/4	492	1283	1 3/4	492	1283	1 3/4	492	1283	1 3/4	492			
LNAV MDA	1320	1	529	1320	1	529	1320	1 1/2	529	1320	1 1/2	529			
CIRCLING	1400	1	592	1400	1	592	1520	2	712	1520	2 1/4	712			

NOTES:
CHART NOTE: NIGHT LANDING: RWY 9, 27 NA.
CHART NOTE: BARO-VNAV NA WHEN USING OSHKOSH ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F).
(CONTINUED ON PAGE 2)

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



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 791 AIRPORT NAME: FOND DU LAC COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 23 JUNE 2016	SUP: AMDT: NONE DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OSHKOSH ALTIMETER SETTING: INCREASE LPV DA TO 1072 FEET AND LNAV/VNAV DA TO 1314 FEET AND ALL MDA 60 FEET; INCREASE LPV VISIBILITY ALL CATS, LNAV/VNAV VISIBILITY ALL CATS AND LNAV CAT C/D VISIBILITY 1/8 MILE; INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE.

TAA	FROM	TO	ALT
1.	094/30 CW 274/30	WESAK (FB)	3100
2.	274/30 CW 004/30	NUNAE (IAF) (FB)	3100
3.	004/30 CW 094/30	PROTN (IAF) (FB)	3100



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 791 AIRPORT NAME: FOND DU LAC COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 23 JUNE 2016	SUP:
				AMDT: NONE
				DATED:

**RNAV 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	KFLD
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	434644.8945N
LTP/FTP LONGITUDE	0882910.2405W
LTP/FTP ELLIPSOIDAL HEIGHT	+02028
FPAP LATITUDE	434515.7855N
FPAP LONGITUDE	0882910.3480W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0936
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER C1E60FDC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02385
FPAP ORTHOMETRIC HEIGHT	+02385



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 791	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 23 JUNE 2016	SUP:
	AIRPORT NAME: FOND DU LAC COUNTY			AMDT: NONE
				DATED:

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

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

ARINC SUMMARY - KFLD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
NUNAE	010	NUNAE	IF	FB										E A
NUNAE	020	WESAK	TF	FB	1.0	274.2						AA 03100		EE B
PROTN	010	PROTN	IF	FB										E A
PROTN	020	WESAK	TF	FB	1.0	093.9						AA 03100		EE B
	010	WESAK	IF	FB								AA 03100		E I
	020	ZIGOM	TF	FB	1.0	184.1						AA 02500		E F
	030	RW18	TF	FO	0.3	184.1		3.00				AT 00828		GY M
	040		CA	FB		184.1						AA 01300		M
	050	BADAN	DF	FO					R			AA 03000		EY
	060	BADAN	HM	FO		148.3			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BADAN	N434431.84	W0884719.79
NUNAE	N435959.10	W0881804.28
PROTN	N435959.94	W0884014.29
WESAK	N440000.06	W0882909.28
ZIGOM	N435200.02	W0882909.86

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N434644.89	W0882910.24	00783	45

QUALITY
25
CHECKED

CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 791	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: FOND DU LAC COUNTY		RNAV (GPS) RWY 18, ORIG	AMDT: NONE
			23 JUNE 2016	DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BADAN	SABLL (FB)	156.59 / 11.27	3000
CYNDI	TRIAD (FB)	264.15 / 21.46	3000
SABLL (IAF)	FONDY (FB)	093.92 / 8.00	2700
TRIAD (IAF)	FONDY (FB)	274.18 / 8.00	2700
FONDY (IF)	TEJEY (FB)	004.05 / 6.04	2500
TEJEY (FAF)	ZESDA/2.10 NM TO RW36 (FB)	004.05 / 3.12	
(SEE FORM 8260-10)			

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT BADAN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 148.29 INBOUND.
CHART FAS OBST: 970 TOWER 434409N/0882936W
1240 AAO 434017N/0882711W
DISTANCE TO THLD FROM 376 HAT: 1.04 NM.
CHART VDP AT 1.41 MILES TO RW36*
*LNAV ONLY.
WAAS CHANNEL # 93800
REFERENCE PATH ID: W36A
CHART CIRCLING ICON.
LNAV ONLY*
LTP HAE: 206.3 M

MAG VAR: 4W EPOCH YEAR: 2020

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. PROFILE STARTS AT FONDY
3. FAC: 004.05 FAF: TEJEY DIST FAF TO MAP: 5.22 THLD: 5.22
4. MIN. ALT: FONDY 2700, TEJEY 2500, ZESDA/2.10 NM TO RW36 1500*
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
6. MIN GS INCPT: 2500 GS ALT AT: TEJEY 2500 OM: _____ MM: _____ IM: _____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW36 2700

MINIMUMS

TAKEOFF:	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	1171	3/4	376	1171	3/4	376	1171	3/4	376	1171	3/4	376			
LNAV/VNAV DA	1229	1	434	1229	1	434	1229	1	434	1229	1	434			
LNAV MDA	1280	3/4	485	1280	3/4	485	1280	1	485	1280	1	485			
CIRCLING	1400	1	592	1400	1	592	1520	2	712	1520	2 1/4	712			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F).
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING OSHKOSH ALTIMETER SETTING.
CHART NOTE: DME/DME RNP-0.3 NA.
(CONTINUED ON PAGE 2)

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



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 795 AIRPORT NAME: FOND DU LAC COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 23 JUNE 2016	SUP: AMDT: ORIG-A DATED 04/08/2010
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
ZESDA/2.10 NM TO RW36	RW36 (MAP) (FO)	004.05 / 2.10	
RW36 (MAP)	1400 MSL	004.05	1400
1400 MSL	BADAN (FO)		3000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OSHKOSH ALTIMETER SETTING: INCREASE LPV DA TO 1202 FEET AND LNAV/VNAV DA TO 1260 FEET AND ALL MDA 40 FEET; INCREASE LPV VISIBILITY ALL CATS AND LNAV/VNAV VISIBILITY ALL CATS 1/8 MILE, INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1 1/4 MILE AND INCREASE LNAV CAT A/B VISIBILITY TO 1 MILE, AND LNAV CAT C/D VISIBILITY TO 1 3/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING OSHKOSH ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 3/8 MILE AND INCREASE LNAV CAT A/B VISIBILITY TO 1 MILE.
 CHART NOTE: NIGHT LANDING: RWY 9, 27 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BADAN ON V9-341 NORTHEAST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CYNDI ON V7 NORTHBOUND.

QUALITY
25
CHECKED

CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 795 AIRPORT NAME: FOND DU LAC COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 23 JUNE 2016	SUP:
				AMDT: ORIG-A
				DATED: 04/08/2010

**RNAV 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	KFLD
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	434546.2235N
LTP/FTP LONGITUDE	0882910.3140W
LTP/FTP ELLIPSOIDAL HEIGHT	+02063
FPAP LATITUDE	434715.3330N
FPAP LONGITUDE	0882910.2070W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0936
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 54E2DCE3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02421
FPAP ORTHOMETRIC HEIGHT	+02421

QUALITY
25
CHECKED

CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 795	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 23 JUNE 2016	SUP:
	AIRPORT NAME: FOND DU LAC COUNTY			AMDT: ORIG-A
				DATED: 04/08/2010

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

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ARINC SUMMARY - KFLD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BADAN	010	BADAN	IF	FB										E
BADAN	020	SABLL	TF	FB	2.0	156.6						AA 03000		E A
BADAN	030	FONDY	TF	FB	1.0	093.9						AA 02700		EE B
CYNDI	010	CYNDI	IF	FB										E
CYNDI	020	TRIAD	TF	FB	2.0	264.2						AA 03000		E A
CYNDI	030	FONDY	TF	FB	1.0	274.2						AA 02700		EE B
	010	FONDY	IF	FB								AA 02700		E I
	020	TEJEY	TF	FB	1.0	004.1				RW36		AA 02500		E F
	021	ZESDA	TF	FB	0.3	004.1		3.00				AA 01500 GS 01508		E S
	030	RW36	TF	FO	0.3	004.1		3.00				AT 00839		GY M
	040		CA	FB		004.1						AA 01400		M
	050	BADAN	DF	FO					L			AA 03000		EY
	060	BADAN	HM	FO		148.3			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BADAN	N434431.84	W0884719.79
CYNDI	N433814.14	W0874905.98
FONDY	N433431.13	W0882911.12
SABLL	N433431.02	W0884011.43
TEJEY	N434033.28	W0882910.69
TRIAD	N433430.18	W0881810.81
ZESDA	N434340.21	W0882910.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N434546.22	W0882910.31	00794	45



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 795	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 23 JUNE 2016	SUP:
	AIRPORT NAME: FOND DU LAC COUNTY			AMDT: ORIG-A
				DATED: 04/08/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: OSH R-165/13.00 DME	
DLL VORTAC	OSH VORTAC	059.91 / 58.75	2600	CLIMB TO 2600 ON OSH VORTAC R-165 TO CENTI/OSH 20.00 DME AND HOLD.	
OSH VORTAC (IAF)	HIRIR/OSH 2.00 DME	164.55 / 2.00	2600		
HIRIR/OSH 2.00 DME (IF)	WINNE/OSH 9.00 DME	164.55 / 7.00 (OSH R-165)	2100		
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 164.55 INBOUND. CHART FAS OBST: 1094 TOWER 434727N/0882817W CHART VDP AT 11.34 DME DISTANCE VDP TO THLD 1.70 MILES. WINNE TO RW18: 2.99/55. CHART CIRCLING ICON.	

- PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
- PROFILE STARTS AT OSH VORTAC
- FAC 164.55 FAF WINNE/OSH 9.00 DME DIST FAF TO MAP _____ THLD 4.03
- MIN. ALT OSH VORTAC 2600, HIRIR 2600, WINNE 2100
- MSA FROM: OSH VORTAC 2700

MAG VAR: 2E EPOCH YEAR: 1965

MINIMUMS

TAKEOFF: 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-18	1360	1	569	1360	1	569	1360	1 5/8	569	1360	1 5/8	569			
CIRCLING	1400	1	592	1400	1	592	1520	2	712	1520	2 1/4	712			

NOTES:

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OSHKOSH ALTIMETER SETTING: INCREASE ALL MDA 40 FT; INCREASE S-18 CAT C/D VISIBILITY 1/8 MILE, AND INCREASE CIRCLING CAT C/D VISIBILITY 1/4 (CONTINUED ON PAGE 2)

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



CITY AND STATE FOND DU LAC, WI	ELEVATION: 808 TDZE: 791	FACILITY IDENTIFIER: OSH	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 18, AMDT 7 23 JUNE 2016	SUP VOR/DME OR GPS RWY 18
	AIRPORT NAME: FOND DU LAC COUNTY			AMDT 6C
	DATE 04/08/2010			

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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NOTES, (CONT.):

MILE.

CHART NOTE: NIGHT LANDING: RWY 9, 27 NA.

CHART NOTE: VDP NA WHEN USING OSHKOSH ALTIMETER SETTING.

CHART NOTE: DME REQUIRED

QUALITY
25
CHECKED

CITY AND STATE FOND DU LAC, WI	ELEVATION: 808	TDZE: 791	FACILITY IDENTIFIER: OSH	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 18, AMDT 7 23 JUNE 2016	SUP: VOR/DME OR GPS RWY 18
	AIRPORT NAME: FOND DU LAC COUNTY				AMDT: 6C
					DATED: 04/08/2010

**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
HELKI (IAF)	KURCE (NOPT) (FB)	153.35 / 5.00	4700
CIDAY (IAF)	KURCE (NOPT) (FB)	333.41 / 5.00	4700
KURCE (IF/IAF)	UKOBE (FB)	063.38 / 7.00	2500
UKOBE (FAF)	RW06 (MAP) (FO)	063.65 / 7.20	
RW06 (MAP)	571 MSL	063.65	
571 MSL	KURCE (FO)		4700

LNAV: RW06

CLIMBING RIGHT TURN TO 4700 DIRECT KURCE AND HOLD.

**ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1093 TREE 665904N/1603400W
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **HOLD SW KURCE, RT, 063.38 INBOUND, 4700 FT. IN LIEU OF PT (IAF)**
3. FAC: 063.65 FAF: UKOBE DIST FAF TO MAP: 7.20 THLD: 7.20
4. MIN. ALT: **KURCE 4700, UKOBE 2500**
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: **34:1 IS NOT CLEAR**
8. MSA FROM:

MAG VAR: **18E** EPOCH YEAR: **2005**

MINIMUMS

TAKEOFF: <u> </u> SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N <input type="checkbox"/> A <input checked="" type="checkbox"/> X <input type="checkbox"/>														
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
LNAV MDA	1400	1 1/4	1229	1400	1 1/2	1229	1400	3	1229		NA				
CIRCLING	1400	1 1/4	1229	1400	1 1/2	1229	1400	3	1229		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: USE SELAWIK ALTIMETER SETTING
 CHART NOTE: NIGHT LANDING: RWY 6 NA
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED

CITY AND STATE KIANA, AK	ELEVATION: 171 TDZE: 171 AIRPORT NAME: BOB BAKER MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG-C 21 JULY 2016	SUP: ORIG-B AMD T: DATED 12/10/2015
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA	FROM	TO	ALT
1.	333/30 CW 153/30 (NOPT)	KURCE (IF/IAF) (FB)	4700
2.	153/30 CW 244/30	153/15 CW 244/15	6200
3.	153/15 CW 244/15	HELKI (IAF) (FB)	4700
4.	244/30 CW 333/30	CIDAY (IAF) (FB)	4700

CITY AND STATE KIANA, AK	ELEVATION: 171 TDZE: 171 AIRPORT NAME: BOB BAKER MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG-C 21 JULY 2016	SUP: QUALITY
				AMDT: 4 ORIG-B
				DATED: 12/10/2015

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

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

ARINC SUMMARY - PAIK

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CIDAY	010	CIDAY	IF	FB										E A
CIDAY	020	KURCE	TF	FB	1.0	333.4						AA 04700		EE B
HELKI	010	HELKI	IF	FB										E A
HELKI	020	KURCE	TF	FB	1.0	153.4						AA 04700		EE B
KURCE	010	KURCE	HF	FO		063.4			R			AA 04700		EE A
	010	KURCE	IF	FB								AA 04700		E I
	020	UKOBE	TF	FB	1.0	063.4						AA 02500		E F
	030	RW06	TF	FO	0.3	063.7		3.00				AT 00211		GY M
	040		CA	FB		063.7						AA 00571		M
	050	KURCE	DF	FO					R			AA 04700		EY
	060	KURCE	HM	FO		063.4			R			AA 04700		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CIDAY	N665132.33	W1610043.73
HELKI	N670123.42	W1610432.28
KURCE	N665627.89	W1610237.62
UKOBE	N665729.63	W1604501.57

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06	N665831.09	W1602653.83	00171	40

CITY AND STATE KIANA, AK	ELEVATION: 171 TDZE: 171	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG-C 21 JULY 2016	SUP: 4 QUALITY
	AIRPORT NAME: BOB BAKER MEMORIAL			AMDT: ORIG B CHECK
	DATED: 12/10/2015			

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

CATEGORY =====>

MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

 PROCEDURE CANCELED EFFECTIVE 07/21/2016



CITY AND STATE UNALASKA, AK	ELEVATION: 22 TDZE: AIRPORT NAME: UNALASKA	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS-E, ORIG, 08/10/2000	SUP AMDT DATE
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR 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: DUT NDB/DME

CLIMB TO 3000 ON DUT NDB/DME BRG-171 THEN CLIMBING LEFT TURN TO 4300 DIRECT DUT NDB AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 171.00 INBOUND.
CHART FAS OBST: 1642 GRD 535449N/1663155W
CHART CIRCLING ICON.
CHART: MAXIMUM 6000 AT DUT NDB/DME.
FAC ALIGNED WITH DUT NDB/DME.

1. PT L SIDE OF COURSE 351.00 OUTBOUND 4100 FT WITHIN 10 MILES OF DUT NDB/DME (IAF)
2. _____
3. FAC 171.00 FAF _____ DIST FAF TO MAP _____ THLD _____
4. MIN. ALT ZORNI/DUT 2.00 DME 2900*
8. MSA FROM: DUT NDB/DME 7700

MAG VAR: **9E** EPOCH YEAR: **2020**

MINIMUMS

TAKEOFF: 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	2900 1 1/4 2878	2900 1 1/2 2878	2900 3 2878	2900 3 2878	

ZORNI FIX MINIMUMS (DME REQUIRED)

CIRCLING	2200 1 1/4 2178	2200 1 1/2 2178	2320 3 2298	2500 3 2478	
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NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 12-30.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 *3000 WHEN USING AKUTAN ALTIMETER SETTING.
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 @ CAT A, B 2900-2, CAT C, D 2900-3

QUALITY
10
CHECKED

CITY AND STATE UNALASKA, AK	ELEVATION: 22 TDZE: AIRPORT NAME: UNALASKA	FACILITY IDENTIFIER: DUT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, AMDT 3 7/21/2016	SUP AMDT DATE	2A 07/05/2007
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**NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27**

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

NOTES, (CONT.):

CHART PLANVIEW NOTE: STRONG WINDS MAY CAUSE SEVERE TURBULENCE.

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

ALL MDAS 100 FT.

CHART NOTE: DESCEND TO 6000 IN HOLDING PATTERN.



CITY AND STATE UNALASKA, AK	ELEVATION: 22 AIRPORT NAME: UNALASKA	TDZE: DUT	FACILITY IDENTIFIER: DUT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, AMDT 3 7/21/2016	SUP:
					AMDT: 2A
					DATED: 07/05/2007

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MORDI	ALEUT (FB)	225.10 / 64.91	3500
ALEUT (IAF)	EYUYO (FB)	182.23 / 8.39	2500
EYUYO (IF)	AFPIV (FB)	163.76 / 6.00	2500
AFPIV (FAF)	USUHU (MAP) (FO)	163.78 / 3.50	
USUHU (MAP)	422 MSL	163.78	
422 MSL	ALEUT (FO)		3600

USUHU

CLIMBING LEFT TURN TO 3600 DIRECT ALEUT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 182.23 INBOUND.
CHART FAS OBST: 1606 GRD 535439N/1663215W
CHART CIRCLING ICON.
FAC CROSSES RWY 13 DISPLACED THLD.

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. PROFILE STARTS AT EYUYO
3. FAC: 163.78 FAF: AFPIV DIST FAF TO MAP: 3.50 THLD: _____
4. MIN. ALT: EYUYO 2500, AFPIV 2500
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: USUHU 7900

MAG VAR: **9E** EPOCH YEAR: **2020**

MINIMUMS

TAKEOFF: 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
CIRCLING	2000	3	1978	2000	3	1978	2320	3	2298	2500	3	2478			

NOTES:
 CHART NOTE: CIRCLING NA NE OF RWY 13-31.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKUTAN ALTIMETER SETTING AND INCREASE
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
@ CAT A, B 2000-3, CAT C 2300-3, CAT D 2500-3



CITY AND STATE UNALASKA, AK	ELEVATION: 22 TDZE: AIRPORT NAME: UNALASKA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 7/21/2016	SUP: AMD T: NONE DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):
 ALL MDAS 100 FT.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MORDI ON G1, T227 AND G8 NORTHEAST BOUND.



CITY AND STATE UNALASKA, AK	ELEVATION: 22 AIRPORT NAME: UNALASKA	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 7/21/2016	SUP:
					AMDT: NONE
					DATED:

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

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ARINC SUMMARY - PADU

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
MORDI	010	MORDI	IF	FB										E
MORDI	020	ALEUT	TF	FB	2.0	225.1						AA 03500		E A
MORDI	030	EYUYO	TF	FB	1.0	182.2						AA 02500		EE B
	010	EYUYO	IF	FB								AA 02500		E I
	020	AFPIV	TF	FB	1.0	163.8				USUHU		AA 02500		E F
	030	USUHU	TF	FO	0.3	163.8		0.00				AT 02500		EY M
	040		CA	FB		163.8						AA 00422		M
	050	ALEUT	DF	FO					L			AA 03600		EY
	060	ALEUT	HM	FO		182.2			R			AA 03600		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ALEUT	N541416.58	W1663251.82
MORDI	N545249.87	W1650315.24
AFPIV	N540006.96	W1663421.49
EYUYO	N540603.50	W1663538.34
USUHU	N535638.96	W1663336.84

QUALITY
10
CHECKED

CITY AND STATE UNALASKA, AK	ELEVATION: 22	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: UNALASKA		RNAV	RNAV (GPS)-B, ORIG 7/21/2016	NONE
					DATED:

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

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Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOZUL	THREE	LOZUL3.LOZUL	TWO	4/10/2008	21 JULY 2016

TYPE: OBSTACLE RNAV

DP ROUTE DESCRIPTION:

TAKEOFF RWY 16: CLIMB TO 16400 DIRECT VUNOW AND ON TRACK 145.88 TO LOZUL, THEN ON ASSIGNED ROUTE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 16, STANDARD WITH MINIMUM CLIMB OF 322 FT PER NM TO 14,300.
RWY 34, NA, ATC
NOTE: GPS REQUIRED
NOTE: RNAV 1
NOTE: RADAR REQUIRED

TAKEOFF OBSTACLES NOTES:

RWY 16: TREE 181 FT FROM DER, 546 FT LEFT OF CENTERLINE, 9948 FT MSL. TREE 276 FT FROM DER, 515 FT LEFT OF CENTERLINE, 9938 FT MSL. TL TWR 499 FT FROM DER, 632 FT LEFT OF CENTERLINE, 9989 FT MSL. POLE 10 FT FROM DER, 17 FT LEFT OF CENTERLINE, 2 FT AGL/9926 FT MSL. POLE 10 FT FROM DER, 17 FT RIGHT OF CENTERLINE, 2 FT AGL/9926 FT MSL. SIGN 14 FT FROM DER, 199 FT LEFT OF CENTERLINE, 4 FT AGL/9926 FEET MSL

CONTROLLING OBSTACLES:

RWY 16: 13,526 FEET MSL AAO 385937.60N/1060721.50W, 11,719 FEET MSL AAO 390612.62N/1061414.10W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAGVAR: KLXV 11E EPOCH YR: 95
DME/DME ASSESSMENT: NOT CONDUCTED.

AIRPORTS SERVED:

LAKE COUNTY

LEADVILLE, CO



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

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Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOZUL	THREE	LOZUL3.LOZUL	TWO	4/10/2008	21 JULY 2016

COMMUNICATIONS:

ZDV, DENVER FSS

FIXES AND/OR NAVAIDS:



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

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Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOZUL	THREE	LOZUL3.LOZUL	TWO	4/10/2008	21 JULY 2016

REMARKS:

<u>FLIGHT INSPECTED BY:</u>		<i>Digitally signed by</i>			<u>REQUIRED EFFECTIVE DATE:</u>
GARY J VEER	FICO	BEV L BORDY	May 12, 2016	05/11/2016	ROUTINE
<u>DEVELOPED BY:</u>		<i>Digitally signed by</i>			
JOHNNIE BAKER (CHRISTINE BAYSE)	AJV-5431	JOHNNIE BAKER	Apr 22, 2016	4/6/2016	
<u>APPROVED BY:</u>		<i>Digitally signed by</i>			
LONNIE EVERHART	AJV-5430	BEV L BORDY	May 12, 2016		
<u>COORDINATED WITH:</u>	ALPA, AOPA, NBAA, ZDV, CO AERO, APT MGR				

CHANGES:

1. UPDATED TAKEOFF OBSTACLE NOTES.
2. UPDATED RW16 (AER) LAT/LONG FROM "391341.25N/1061906.06W" TO "391341.24N/1061905.93W" ON 8260-15C
3. UPDATED DP ROUTE TERMINOLOGY TO CURRENT GUIDANCE.
4. UPDATED DP ROUTE FROM CLIMB TO 16200 TO 16400.

REASONS:

1. NEW SURVEY WITH NEW LOW CLOSE IN OBSTACLES.
2. NEW SURVEY UPDATED LAT/LONG FOR RWY 16.
3. PER 8260.46E
4. NEW CONTROLLING AAO FOR V160 RAISING THE MEA.



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOZUL	THREE	LOZUL3.LOZUL	TWO	4/10/2008	21 JULY 2016

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW16 (AER)	391341.24N/1061905.93W	N	-	-	-				
VUNOW	391040.53N/1061826.21W	Y	FB	DF	-	3.05			CG 322 FT/NM TO 14300
LOZUL	384819.52N/1060614.98W	Y	FB	TF	156.88	24.27			LOZUL3.LOZUL



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CLASS INT	COE VOR/DME	240.22 / 27.69	11000
GEG VORTAC	COE VOR/DME	047.73 / 35.02	7000
COE VOR/DME (IAF)	INOBE/I-RPO 15.95 DME	348.13 / 18.64	7000
INOBE/I-RPO 15.95 DME (IF)	CORDU/I-RPO 9.05 DME	018.16 / 6.90 (I-RPO)	5600
CORDU/I-RPO 9.05 DME	FINTA/I-RPO 6.15 DME	018.16 / 2.90 (I-RPO)	4900

MAP: ROPLE/I-RPO 1.94 DME

CLIMB TO 8000 ON HEADING 018 TO I-RPO 10.00 DME AND CLIMBING RIGHT TURN ON SZT NDB BRG 030 TO SZT NDB TO CROSS SZT NDB AT 8000 THEN ON SZT NDB BRG 185 AND COE VOR/DME R-359 TO COE VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 051.00 INBOUND.
FAS OBST: 2959 AAO 481338N/1163636W
OBST: 4039 AAO 481243N/1163743W
CHART CIRCLING ICON

- PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
- PROFILE STARTS AT INOBE
- FAC 018.16 FAF FINTA/I-RPO 6.15 DME DIST FAF TO MAP _____ THLD _____
- MIN. ALT INOBE 7000, CORDU 5600, FINTA 4900
- MSA FROM: SZT NDB 110-200 7700, 200-110 8800

MAG VAR: 14E EPOCH YEAR: 2020

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X								
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	3180	1 1/4	1049	3180	1 1/2	1049	3180	3	1049	4180	3	2049			

NOTES:
CHART NOTE: ADF AND DME REQUIRED.
CHART NOTE: CIRCLING NA W OF RWY 2-20
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEER PARK ALTIMETER SETTING AND INCREASE ALL MDA 120 FT.



CITY AND STATE SANDPOINT, ID	ELEVATION: 2131 TDZE:	FACILITY IDENTIFIER: I-RPO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC-A, AMDT 2 21 JULY 2016	SUP LOC/DME-A
	AIRPORT NAME: SANDPOINT			AMDT 1A
				DATE 11/23/2006

**LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25**

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(This area is intentionally left blank for the instrument approach procedure.)



CITY AND STATE SANDPOINT, ID	ELEVATION: 2131 AIRPORT NAME: SANDPOINT	TDZE:	FACILITY IDENTIFIER: I-RPO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC-A, AMDT 2 21 JULY 2016	SUP: LOC/DME-A
					AMDT: 1A
					DATED: 11/23/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KSZT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CLASS	010	CLASS	IF	FB										E
CLASS	020	COE	TF	FB								AA 11000		V A
CLASS	030	INOBE	TF	FB					R			AA 07000		E B
CLASS	040	CORDU	CF	FB		018.2	IRPO					AA 05600		EE
GEG	010	GEG	IF	FB										V
GEG	020	COE	TF	FB								AA 07000		V A
GEG	030	INOBE	TF	FB								AA 07000		E B
GEG	040	CORDU	CF	FB		018.2	IRPO					AA 05600		EE
	010	CORDU	IF	FB			IRPO					AA 05600		E I
	020	FINTA	CF	FB		018.0	IRPO			SZT		AA 04900		E F
	030	ROPLE	CF	FO		018.0	IRPO	0.00				AT 04180		EY M
	040		VD	FB		018.0	IRPO							M
	050	SZT	CF	FB		210.0	BIL		R			AT 08000		N
	060	COE	TF	FO								AA 08000		VY
	070	COE	HM	FO		051.0			L			AA 08000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BIL	N454830.81	W1083728.73
COE	N474625.31	W1164914.12
GEG	N473353.81	W1173736.79
IRPO (DME)	N481825.26	W1163308.88
SZT	N481726.31	W1163347.56
CLASS	N475128.63	W1160850.85
CORDU	N481046.41	W1164021.84
FINTA	N481314.13	W1163805.26
INOBE	N480454.58	W1164547.03
ROPLE	N481647.94	W1163444.23
IRPO (LOC)	N481826.03	W1163310.45



CITY AND STATE SANDPOINT, ID	ELEVATION: 2131 TDZE:	FACILITY IDENTIFIER: I-RPO	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: LOC/DME-A
	AIRPORT NAME: SANDPOINT		LOC-A, AMDT 2	AMDT: 1A
			21 JULY 2016	DATED: 11/23/2006

**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
CLASS	CESIG (FB)	278.25 / 15.16	8400
CESIG (IAF)	CELUS (FB)	289.28 / 13.33	6900
KARPS (IAF)	CELUS (FB)	343.76 / 20.05	6900
DIANN (IAF)	CELUS (FB)	094.15 / 17.16	6900
CELUS (IF)	FEPMI (FB)	018.16 / 5.37	6000
FEPMI	FINTA (FB)	018.20 / 5.00	4900
FINTA (FAF)	RW02 (MAP) (FO)	018.25 / 5.15	

LNAV: RW02

CLIMB TO 5800 THEN CLIMBING RIGHT TURN TO 7900 DIRECT CESIG AND HOLD.

**ADDITIONAL FLIGHT DATA:
HOLD S, LT, 340.00 INBOUND.
FAS OBST: 2959 AAO 481338N/1163636W
3999 AAO 481245N/1163743W
CHART CIRCLING ICON.**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **PROFILE STARTS AT CELUS**
3. FAC: 018.25 FAF: FINTA DIST FAF TO MAP: 5.15 THLD:
4. MIN. ALT: **CELUS 6900, FEPMI 6000, FINTA 4900**
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: **RW02 8800**

MAG VAR: **14E** EPOCH YEAR: **2020**

MINIMUMS

TAKEOFF: <u> </u> SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A <u> </u>	@ <u> </u>													
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING	3600	1 1/4	1469	3600	1 1/2	1469	3600	3	1469	4180	3	2049			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA. @ CAT A, B 1500-2, CAT C 1500-3, CAT D 2100-3
 CHART NOTE: CIRCLING NA W OF RWY 2-20.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEER PARK ALTIMETER SETTING AND INCREASE ALL MDA 120 FT.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DIANN ON V112 SOUTHBOUND.

CITY AND STATE SANDPOINT, ID	ELEVATION: 2131 TDZE: AIRPORT NAME: SANDPOINT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, AMDT 1 21 JULY 2016	SUP: AMDT: ORIG DATED 05/12/2005
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW02 (MAP)	5800 MSL	018.25	5800
5800 MSL	CESIG (FO)		7900

CITY AND STATE
SANDPOINT, ID

ELEVATION: 2131 **TDZE:**
 AIRPORT NAME:
SANDPOINT

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS)-B, AMDT 1
 21 JULY 2016

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

QUALITY
 10
 CHECKED

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

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

ARINC SUMMARY - KSZT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CLASS	010	CLASS	IF	FB										E
CLASS	020	CESIG	TF	FB	2.0	278.3						AA 08400		E A
CLASS	030	CELUS	TF	FB	1.0	289.3						AA 06900		EE B
DIANN	010	DIANN	IF	FB										E A
DIANN	020	CELUS	TF	FB	1.0	094.2						AA 06900		EE B
KARPS	010	KARPS	IF	FB										E A
KARPS	020	CELUS	TF	FB	1.0	343.8						AA 06900		EE B
	010	CELUS	IF	FB								AA 06900		E I
	011	FEPMI	TF	FB	1.0	018.2						AA 06000		E
	020	FINTA	TF	FB	1.0	018.2				RW02		AA 04900		E F
	030	RW02	TF	FO	0.3	018.3		4.96				AT 02183		GY M
	040		CA	FB		018.3						AA 05800		M
	050	CESIG	DF	FO					R			AA 07900		EY
	060	CESIG	HM	FO			340.0		L			AA 07900		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CELUS	N480428.21	W1164620.18
CESIG	N475710.89	W1162943.39
CLASS	N475128.63	W1160850.85
DIANN	N480951.41	W1171039.51
FEPMI	N480900.67	W1164204.14
FINTA	N481314.13	W1163805.26
KARPS	N474426.78	W1164509.90

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW02	N481735.37	W1163358.16	02128	55

CITY AND STATE SANDPOINT, ID	ELEVATION: 2131 TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-B, AMDT 1 21 JULY 2016	SUP: ORIG
	AIRPORT NAME: SANDPOINT			AMDT: ORIG
				DATED: 05/12/2005



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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City, State	Airport	Effective Date	Amdt. No.
SANDPOINT, ID	SANDPOINT	21 JULY 2016	1

TAKEOFF MINIMUMS:

RWY 2, STANDARD WITH MINIMUM CLIMB OF 520 FT PER NM TO 5800, OR 3000-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 20, STANDARD WITH MINIMUM CLIMB OF 480 FT PER NM TO 4800, OR 3000-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2, CLIMBING RIGHT TURN HEADING 204 AND ON COE R-360 TO CROSS COE VOR/DME AT OR ABOVE 9000.
RWY 20, CLIMBING LEFT TURN HEADING 184 AND ON COE R-360 TO CROSS COE VOR/DME AT OR ABOVE 9000.

VISUAL CLIMB OVER AIRPORT:

RWY 12,20: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS SANDPOINT AIRPORT AT OR ABOVE 5000, THEN ON HEADING 184 AND COE R-360 TO CROSS COE VOR/DME AT OR ABOVE 9000.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, BUILDING 11 FT FROM DER, 448 FT RIGHT OF CENTERLINE, 37 FT AGL/2166 FT MSL. VEHICLES ON ROAD BEGINNING 35 FT FROM DER, 328 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/2135 FT MSL. TREES BEGINNING 59 FT FROM DER, 241 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/2206 FT MSL. TREE BEGINNING 150 FT FROM DER, 235 FT RIGHT OF CENTERLINE, UP TO 108 FT AGL/2223 FT MSL. TREES BEGINNING 540 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 114 FT AGL/2243 FT MSL. TREES BEGINNING 3334 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 142 FT AGL/2270 FT MSL. BUILDING 3655 FT FROM DER, 686 FT LEFT OF CENTERLINE, 36 FT AGL/2159 FT MSL.

NOTE: RWY 20, TREES BEGINNING 621 FT FROM DER, 174 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/2259 FT MSL. TREES BEGINNING 5971 FT FROM DER, 2047 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/2319 FT MSL.

CONTROLLING OBSTACLES:

RWY 2: 4314 FT MSL AAO 481342.74N-1162950.33W.
RWY 20: 4119 FT MSL AAO 481212.28N-1163729.28W.
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT RWY 2, 20: 6605 FT MSL AAO 480146.90N-1162128.40W
VCOA: 4645 FT MSL TREE, 481859.81N-1163605.64W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SANDPOINT, ID	SANDPOINT	21 JULY 2016	1

REMARKS:

CHANGED KSZT MAGVAR FROM 18E-14E.

FLIGHT INSPECTED BY:

CHARLES D CUNNINGHAM FICO *Digitally signed by*
JOHNNIE BAKER 02/23/16
 Feb 26, 2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

AISHAT NAUZO *Digitally signed by*
AISHAT NAUZO AJV-5430 12/7/2015
 Dec 17, 2015

3/31/2016

APPROVED BY:

LONNIE EVERHART *Digitally signed by*
JOHNNIE BAKER AJV-5430
 Feb 26, 2016

COORDINATED WITH:

ALPA, AOPA, NBAA, ZAN, AMGR

CHANGES:

- 1 CHANGED KSZT MAGVAR FROM 18E-14E.
- 2 CHANGED RWYS FROM 1-19 TO 2-20.
- 3 REPLACED TAKEOFF MINIMUMS RWY 1: 4200-2 OR STANDARD WITH MINIMUM CLIMB OF 520 FT PER NM TO 5800 (WITH) RWY 2: STANDARD WITH MINIMUM CLIMB OF 520 FT PER NM TO 5800, OR 3000-3 FOR CLIMB IN VISUAL CONDITIONS.
- 4 REPLACED TAKEOFF MINIMUMS RWY 19: 2200-2 OR STANDARD WITH MINIMUM CLIMB OF 480 FT PER NM TO 4600 (WITH) RWY 20: STANDARD WITH MINIMUM CLIMB OF 480 FT PER NM TO 4800, OR 3000-3 FOR CLIMB IN VISUAL CONDITIONS.
- 5 REPLACED TEXTUAL DEPARTURE PROCEDURE RWY 1: CLIMBING RIGHT TURN TO COE VOR/DME VIA HEADING 200 AND COE R-002 (WITH) RWY 2, CLIMBING RIGHT TURN ON HEADING 204 AND COE VOR/DME R-360 TO CROSS COE VOR/DME AT OR ABOVE 9000.
- 6 REPLACED TEXTUAL DEPARTURE PROCEDURE RWY 19: CLIMBING LEFT TURN TO COE VOR/DME VIA HEADING 140 AND COE R-002 (WITH) RWY 20, CLIMBING LEFT TURN ON HEADING 184 AND COE VOR/DME R-360 TO CROSS COE VOR/DME AT OR ABOVE 9000.
- 7 ADDED VISUAL CLIMB OVER AIRPORT.
- 8 ADDED TAKEOFF OBSTACLE NOTES.

REASONS:

- 1,2 MAGVAR DIFFERENCE GREATER THAN 3 DEGREES.
- 3-8 NEW EVALUATION.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR 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: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A
CATEGORY =====>	
MDA VIS	MDA VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 21 JULY 2016

CITY AND STATE FRYEBURG, ME	ELEVATION: 455 TDZE: 448 AIRPORT NAME: EASTERN SLOPES RGNL	FACILITY IDENTIFIER: SZO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 32, ORIG, 03/12/2009	SUP AMDT DATE
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QUALITY
4
NONE
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR 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: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A														
CATEGORY =====>															
	MDA	VIS		MDA	VIS		MDA	VIS		MDA	VIS		MDA	VIS	

NOTES:

PROCEDURE CANCELED EFFECTIVE 21 JULY 2016



CITY AND STATE FRYEBURG, ME	ELEVATION: 454 AIRPORT NAME: EASTERN SLOPES REGIONAL	TDZE:	FACILITY IDENTIFIER: SZO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-B, AMDT 2, 03/12/2009	SUB NDB OR GPS-B AMDT 1 DATE 10/10/1996
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR 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: INA R-326/1.00 DME FIX
BAM VORTAC	INA VOR/DME	278.00 / 45.20	11400	CLIMBING RIGHT TURN TO 8000 VIA INA VOR/DME R-326 TO VICTR/12.00 DME AND HOLD.
FESKO INT	INA VOR/DME	326.00 / 24.60	10500	
INA VOR/DME	INA VOR/DME R-326/4.00 DME	326.00 / 4.00	8700	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 146.00 INBOUND. CHART FAS OBST: 4359 TERRAIN/TREE 405525N/1174839W 4921 TERRAIN 410031N/1174925W. 4572 TERRAIN 405940N/1175110W. 4333 TERRAIN 405748N/1175020W. FAC 290 FT R OF RWY C/L EXTENDED 3000 FT FROM THLD.
VICTR/12.00 DME (IF)	INA VOR/DME R-326/6.00 DME (NOPT)	146.00 / 6.00	6500	
SDO VORTAC (IAF)	INA VOR/DME R-326/16.00 DME	144.00 / 16.20	9000	
INA VOR/DME R-326/16.00 DME	VICTR/12.00 DME (NOPT)	146.00 / 4.00	7800	

- PT L SIDE OF COURSE 326.00 OUTBOUND 7900 FT WITHIN 10 MILES OF INA VOR/DME R-326/4.00 (IAF)
-
- FAC 146.00 FAF INA VOR/DME R-326/6.00 DME DIST FAF TO MAP _____ THLD 5.60
- MIN. ALT INA VOR/DME R-326/6.00 DME 6500, INA VOR/DME R-326/4.00 DME 5700
- MSA FROM: INA VOR/DME 020-220 10900, 220-020 9000

MAG VAR: 16E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD					
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-14	4620	1	316	4620	1	316	4840	1 1/2	536		NA				
CIRCLING	4720	1	412	4760	1	452	4840	1 1/2	532		NA				

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED
 CHART NOTE: DME REQUIRED



CITY AND STATE WINNEMUCCA, NV	ELEVATION: 4308 TDZE: 4304	FACILITY IDENTIFIER: INA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 14, ORIG-B 21 JULY 2016	SUP VOR/DME RWY 14
	AIRPORT NAME: WINNEMUCCA MUNI			AMDT ORIG-A
				DATE 03/06/2014

**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

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: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

CATEGORY >>>>>	DH/MDA	VIS	DH/MDA	VIS	DH/MDA	VIS	DH/MDA	VIS	DH/MDA	VIS

NOTES:

 PROCEDURE CANCELED EFFECTIVE 21 JULY 2016

CITY AND STATE NEW YORK, NY	ELEVATION: 13 TDZE: 13 AIRPORT NAME: JOHN F KENNEDY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 13R, ORIG, 03/05/2015	SUP: AMDT: NONE DATED
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QUALITY
4
CHECKED

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR 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: 5.62 MILES AFTER MAPES OM/ROC 6.03 DME/RADAR
ROC VOR/DME	KECKE/ROC 13.25 DME	042.74 / 13.25	3000	CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4000 DIRECT GEE VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 300 AND ON ROC VOR/DME R-268 TO MONCK/ROC VOR/DME 10.03 DME AND HOLD. (DME REQUIRED).
KECKE/ROC 13.25 DME (IF/IAF)	MAPES OM/ROC 6.03 DME/RADAR	223.65 / 7.22 (I-MWD)	2500	

ADDITIONAL FLIGHT DATA:
 HOLD SE, LT, 333.46 INBOUND.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W MONCK INT/ROC 10.03 DME, RT, 087.51 INBOUND.
 FAS OBST: 729 AAO 431101N/0773759W
 CHART IN PLANVIEW: MONCK INT/ROC 10.03 DME.
 CHART CIRCLING ICON
 CHART R-5203.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE KECKE, RT, 223.65 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 223.65 FAF: MAPES OM/ROC 6.03 DME/RADAR DIST FAF TO MAP: 5.62 THLD: 5.62
- MIN. ALT: KECKE 2500, MAPES OM 2500
- DIST TO THLD FROM OM: 5.62 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1035
- MIN GS INCPT: 2500 GS ALT AT: - OM: 2427 MM: - IM: -
- GS ANGLE: 3.00 TCH: 50.3
- MSA FROM: ROC VOR/DME 090-270 3500, 270-090 2500

MAG VAR: 12W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: 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 22*	759	2400	200	759	2400	200	759	2400	200	759	2400	200			
S-LOC 22	1000	2400	441	1000	2400	441	1000	4500	441	1000	4500	441			
CIRCLING	1060	1	501	1060	1	501	1500	2 3/4	941	1500	3	941			

NOTES:
 CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. # CAT C 1000-2 3/4, CAT D 1000-3
 CHART NOTE: WHEN R-5203 ACTIVE HOLD IN LIEU NOT AUTHORIZED. @ CAT C 1000-2 3/4, CAT D 1000-3
 CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

CITY AND STATE ROCHESTER, NY	ELEVATION: 559 TDZE: 559	FACILITY IDENTIFIER: I-MWD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 22, AMDT 8B 21 JULY 2016	SUP: 4
	AIRPORT NAME: GREATER ROCHESTER INTL			AMDT: 8A
				DATED 03/05/2015

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR 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.

ARINC SUMMARY - KROC

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ROC	010	ROC	IF	FB										V
ROC	020	KECKE	TF	FO								AA 03000		EY
ROC	030	KECKE	HF	FO		223.7	ROC		R			AA 02500		EE A
	010	KECKE	IF	FB			IMWD					AA 02500 GI 02500		E I
	020	MAPES	CF	FB		224.0	IMWD	3.00		ROC		GI 02500 GS 02427		E F
	030	RW22	CF	FO		224.0	IMWD	3.00				AT 00609		GY M
	040		CA	FB		223.7						AA 01000		M
	050	GEE	DF	FO								AA 04000		VY
	060	GEE	HM	FO		333.5			L			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
GEE	N425003.83	W0774357.90
ROC	N430704.65	W0774022.06
KECKE	N431827.62	W0773105.50
MAPES	N431218.87	W0773617.41
IMWD (LOC)	N430616.14	W0774123.01

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22	N430732.05	W0774019.16	00559	50.3



CITY AND STATE ROCHESTER, NY	ELEVATION: 559 TDZE: 559	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GREATER ROCHESTER INTL	I-MWD	ILS OR LOC RWY 22, AMDT 8B 21 JULY 2016	AMDT: 8A
				DATED: 03/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KROC

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ROC	010	ROC	IF	FB										V
ROC	020	KECKE	TF	FO								AA 03000		EY
ROC	030	KECKE	HF	FO		223.7	ROC		R			AA 02500		EE A
	010	KECKE	IF	FB			IMWD					AA 02500		E I
	020	MAPES	CF	FB		224.0	IMWD			ROC		AA 02500		E F
	030	RW22	CF	FO		224.0	IMWD	3.18				AT 00609		GY M
	040		CA	FB		223.7						AA 01000		M
	050	GEE	DF	FO								AA 04000		VY
	060	GEE	HM	FO		333.5			L			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
GEE	N425003.83	W0774357.90
ROC	N430704.65	W0774022.06
KECKE	N431827.62	W0773105.50
MAPES	N431218.87	W0773617.41
IMWD (LOC)	N430616.14	W0774123.01

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22	N430732.05	W0774019.16	00559	50.3



CITY AND STATE ROCHESTER, NY	ELEVATION: 559 TDZE: 559	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GREATER ROCHESTER INTL	I-MWD	ILS OR LOC RWY 22, AMDT 8B 21 JULY 2016	AMDT: 8A
				DATED: 03/05/2015

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR 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		
LORTH/ROC VOR/DME 15.60 DME (IAF)	BILAW INT/I-ROC LOC/DME 12.76 DME/RADAR	325.00 / .26 (HDG) & 279.66 / 2.94 (I-ROC)	2300	ILS: DA LOC: 4.71 MILES AFTER SUUSA INT/I-ROC 5.76 DME/RADAR OR AT I-ROC 1.04 DME FIX	
BILAW INT/ROC LOC/DME 12.76 DME/RADAR (IF)	SUUSA INT/I-ROC LOC/DME 5.76 DME/RADAR	279.66 / 7.00 (I-ROC)	2100	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 230 AND ROC VOR/DME R-268 TO MONCK INT/ROC 10.03 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 165 AND GEE VOR/DME R-018 TO GEE VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 087.51 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE GEE VOR/DME, RT, 323.05 INBOUND. CHART FAS OBST: 758 BLDG 430725N/0773624W CHART VDP AT 2.36 DME* DISTANCE VDP TO THLD 1.32 MILES. *LOC ONLY. CHART (CFMCG) AT INTERSECTION OF LORTH DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: GEE VOR/DME. CHART CIRCLING ICON.	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)					
2. PROFILE STARTS AT BILAW INT/ROC LOC/DME 12.76 DME/RADAR					
3. FAC: <u>279.66</u> FAF: <u>SUUSA INT/I-ROC LOC/DME 5.76 DME/RADAR</u> DIST FAF TO MAP: <u>4.71</u> THLD: <u>4.71</u>					
4. MIN. ALT: <u>BILAW 2300, SUUSA 2100, ZIKSO INT/I-ROC LOC/DME 3.01 DME 1200*</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>1101</u>					
6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>SUUSA 2100</u> OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u> </u> - <u> </u>					
7. GS ANGLE: <u>3.00</u> TCH: <u>57.7</u>					
8. MSA FROM: <u>ROC VOR/DME 090-270 3500, 270-090 2500</u>				MAG VAR: 12W EPOCH YEAR: 2015	

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: STANDARD @												
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 28	821	4000	271	821	4000	271	821	4000	271	821	4000	271			
S-LOC 28	1200	4000	650	1200	4000	650	1200	1 3/8	650	1200	1 3/8	650			
CIRCLING	1200	1	641	1200	1	641	1500	2 3/4	941	1500	3	941			

ZIKSO FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)

S-LOC 28	1020	4000	470	1020	4000	470	1020	5000	470	1020	5000	470			
CIRCLING	1060	1	501	1060	1	501	1500	2 3/4	941	1500	3	941			

NOTES:
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LORTH ON V2 EASTBOUND.
*LOC ONLY
CHART NOTE: MULTIPLE UNSHIELDED LIGHTS IN FINAL APPROACH AREA.
(CONTINUED ON PAGE 2)

CAT A, B 700-2, CAT C 1000-2 3/4, CAT D 1000-3
@ CAT C 1000-2 3/4, CAT D 1000-3

CITY AND STATE ROCHESTER, NY	ELEVATION: 559 TDZE: 550 AIRPORT NAME: GREATER ROCHESTER INTL	FACILITY IDENTIFIER: I-ROC	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28, AMDT 32 21 JULY 2016	SUP: 4 AMDT: 31A DATED 03/05/2015
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QUALITY

CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR 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: PROCEDURE NA FOR ARRIVALS AT LORTH ON V2 EASTBOUND.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 28 ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 28 CAT A/B VISIBILITY TO RVR 5500.

CHART NOTE: FOR INOPERATIVE MALSR WITH ZIKSO FIX MINIMUMS, INCREASE S-LOC 28 CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D VISIBILITY TO 1 3/8.

CITY AND STATE

ROCHESTER, NY

ELEVATION: 559

TDZE: 550

AIRPORT NAME:

GREATER ROCHESTER INTL

FACILITY IDENTIFIER:

I-ROC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 28, AMDT 32

21 JULY 2016

SUP:

4

AMDT:

54A

DATED:

03/05/2015

QUALITY

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR 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.

ARINC SUMMARY - KROC

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
LORTH	010	LORTH	IF	FB										E A
LORTH	020	CFMCG	TF	FB								AA 02300		E
LORTH	030	BILAW	CF	FB		279.7	IROC					AA 02300		EE B
	010	BILAW	IF	FB			IROC					AA 02300 GI 02100		E I
	020	SUUSA	CF	FB		280.0	IROC	3.00		ROC		GI 02100 GS 02100		E F
	030	RW28	CF	FO		280.0	IROC	3.00				AT 00599		GY M
	040		CA	FB		279.7						AA 02000		M
	050		VI	FB		230.0								
	060	MONCK	CF	FO		267.5	ROC					AA 03000		EY
	070	MONCK	HM	FO		087.5			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ROC	N430704.65	W0774022.06
IROC (DME)	N430719.25	W0774046.59
LORTH	N430747.93	W0771905.32
MONCK	N430433.36	W0775336.67
BILAW	N430751.95	W0772321.75
CFMCG	N430758.42	W0771920.74
SUUSA	N430735.73	W0773255.19
IROC (LOC)	N430721.82	W0774045.57

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28	N430724.35	W0773921.28	00541	57.7



CITY AND STATE ROCHESTER, NY	ELEVATION: 559 TDZE: 550	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GREATER ROCHESTER INTL	I-ROC	ILS OR LOC RWY 28, AMDT 32	AMDT: 31A
			21 JULY 2016	DATED: 03/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KROC

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
LORTH	010	LORTH	IF	FB										E A
LORTH	020	CFMCG	TF	FB								AA 02300		E
LORTH	030	BILAW	CF	FB		279.7	IROC					AA 02300		EE B
	010	BILAW	IF	FB			IROC					AA 02300		E I
	020	SUUSA	CF	FB		280.0	IROC			ROC		AA 02100		E F
	021	ZIKSO	CF	FB		280.0	IROC	3.00				AA 01200		E S
	030	RW28	CF	FO		280.0	IROC	3.00				AT 00599		GY M
	040		CA	FB		279.7						AA 02000		M
	050		VI	FB		230.0								
	060	MONCK	CF	FO		267.5	ROC					AA 03000		EY
	070	MONCK	HM	FO		087.5			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ROC	N430704.65	W0774022.06
IROC (DME)	N430719.25	W0774046.59
LORTH	N430747.93	W0771905.32
MONCK	N430433.36	W0775336.67
BILAW	N430751.95	W0772321.75
CFMCG	N430758.42	W0771920.74
SUUSA	N430735.73	W0773255.19
ZIKSO	N430729.15	W0773640.01
IROC (LOC)	N430721.82	W0774045.57

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28	N430724.35	W0773921.28	00541	57.7



CITY AND STATE ROCHESTER, NY	ELEVATION: 559 TDZE: 550	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GREATER ROCHESTER INTL	I-ROC	ILS OR LOC RWY 28, AMDT 32 21 JULY 2016	AMDT: 31A
				DATED: 03/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME OR GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

CATEGORY =====>	MDA		VIS		MDA		VIS		MDA		VIS		MDA		VIS	

NOTES:

 PROCEDURE CANCELED EFFECTIVE 21 JULY 2016



CITY AND STATE WAVERLY, TN	ELEVATION: 756	TDZE: HUMPHREYS COUNTY	FACILITY IDENTIFIER: GHM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR GPS-A, AMDT 2C, 09/04/2003	SUP	
	AIRPORT NAME:				AMDT	NONE
					DATE	

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
DELTA, UT	DELTA MUNI	21 JULY 2016	ORIG-A

TAKEOFF MINIMUMS:

RWY 35: STANDARD.
RWY 17: STANDARD WITH MINIMUM CLIMB OF 412 FT PER NM TO 6600, OR 1800-3 FOR VCOA. VCOA PROCEDURE NA AT NIGHT.

TEXTUAL DEPARTURE PROCEDURES:

RWY 35: CLIMB HEADING 346 TO 5800, THEN CLIMBING LEFT TURN HEADING 180 AND DTA VORTAC R-310 TO DTA VORTAC, THENCE...
RWY 17: CLIMB ON DTA VORTAC R-347 TO DTA VORTAC, THENCE...

...CONTINUE CLIMB IN DTA VORTAC HOLDING PATTERN (HOLD S, LT, 004.00 INBOUND) TO CROSS DTA VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

RWY 17: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS DELTA MUNICIPAL AIRPORT SOUTHBOUND AT OR ABOVE 6400, THEN ON DTA VORTAC R-347 TO DTA VORTAC, THENCE...

...CONTINUE CLIMB IN DTA VORTAC HOLDING PATTERN (HOLD S, LT, 004.00 INBOUND) TO CROSS DTA VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 35, TERRAIN 17 FT FROM DER, 66 FT LEFT OF CENTERLINE 4760 FT MSL. VEHICLE ON ROAD 227 FT FROM DER, 457 FT RIGHT OF CENTERLINE, 15 FT AGL/4771 FT MSL.

NOTE: RWY 17, TERRAIN 12 FT FROM DER, 462 FT LEFT OF CENTERLINE 4757 FT MSL. BUSH 105 FT FROM DER, 446 FT LEFT OF CENTERLINE 4759 FT MSL.

CONTROLLING OBSTACLES:

RWY 17: 7799 FT MSL AAO 391921.00N/1121757.00W.
VCOA: 4949 FT MSL AAO 392420.29N/1123328.45W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 35, 17: 9912 FT MSL AAO 392321.70N/1121213.00W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
DELTA, UT	DELTA MUNI	21 JULY 2016	ORIG-A

REMARKS:

RWY 17 CLIMB GRADIENT CONTROLLING OBSTACLE 7799 FT MSL AAO 391921.00N/1121757.00W LOCATED IN CLIMB-IN-HOLD PATTERN.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

MOLOKIE FICO *Digitally signed by*
BEV L BORDY 05/03/2016
 May 09, 2016

ROUTINE

DEVELOPED BY:

ALAN WILL (IVAN BLANCO) AJV-5432 *Digitally signed by*
BEV L BORDY
 May 09, 2016

APPROVED BY:

LONNIE EVERHART AJV-5430 *Digitally signed by*
BEV L BORDY
 May 09, 2016

COORDINATED WITH:

ALPA, AOPA, NBAA, ZLC, ARPT MGR

CHANGES:

1. REMOVED RWY 12, 30.
2. REMOVED 5539 MSL AAO AND 7159 MSL AAO AS CONTROLLING OBSTACLES FOR RWY 17.
3. REMOVED 4829 MSL TREE AND 9912 MSL AAO AS CONTROLLING OBSTACLES FOR RWY 35.
4. ADDED NEW LOW-CLOSE-IN OBSTACLES TO RWY 35.
5. UPDATED LOW-CLOSE-IN OBSTACLES TO RWY 17.
6. IDENTIFIED OBSTACLE MANDATING ODP ROUTE DEVELOPMENT.
7. UPDATED CONTROLLING OBSTACLES TO CURRENT FORMAT.
8. UPDATED WORDING OF TEXTUAL DEPARTURE PROCEDURE.

REASONS:

1. RWY 12, 30 ARE NO LONGER IN USE AND HAVE BEEN REMOVED FROM AIRNAV DATABASE.
2. THE OBSTACLES WERE OUTSIDE OF ODP ROUTE AND DID NOT QUALIFY AS CONTROLLERS.
3. THE OBSTACLES WERE NOT CONTROLLING OBSTACLES.
4. PERIODIC EVALUATION IDENTIFIED NEW LOW-CLOSE-IN OBSTACLES TO RWY 35.
5. EVALUATION IDENTIFIED NEW LOW-CLOSE-IN OBSTACLES.
6. CRITERIA REQUIRES OBSTACLES MANDATING ODP ROUTE BE IDENTIFIED.
7. OBSTACLES DID NOT HAVE HEMISPHERIC DESIGNATION.
8. WORDING DID NOT COMPLY WITH CURRENT CRITERIA.



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GEYSER	FIVE	GEYSR5.NALSI	FOUR	05 JUN 08	21 JULY 2016

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1: CLIMB TO 14000 ON JAC R-007 TO GIYER/JAC 3.16 DME, AND RIGHT TURN HEADING 037 TO INTERCEPT JAC R-017 TO NALSI INT/JAC 16.46 DME, OR FOR CLIMB IN VISUAL CONDITIONS OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS JAC VOR/DME NORTHBOUND AT OR ABOVE 10800, THEN CLIMB TO 14000 ON JAC R-017 TO NALSI INT/JAC 16.46 DME.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

RWY 19, NA – ATC
RWY 1, STANDARD WITH MINIMUM CLIMB OF 450 FEET PER NM TO 14000, OR 4500-3 FOR CLIMB IN VISUAL CONDITIONS.
NOTE: DME REQUIRED.

TAKEOFF OBSTACLES NOTES:

CONTROLLING OBSTACLES:

RWY 1: 7002 FT MSL TREE 433937.68N-1104141.80W.
(VCOA): 9877 FT MSL AAO 433742.67N-1104954.79W.
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1 – 7751 FT MSL TREES 433807.67N-1104133.89W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KJAC E13 EPOCH YR: 2005

AIRPORTS SERVED:

JACKSON HOLE JACKSON, WY



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GEYSER	FIVE	GEYSR5.NALSI	FOUR	05 JUN 08	21 JULY 2016

COMMUNICATIONS:

JACKSON CTAF/UNICOM, SALT LAKE CENTER APP/DEP CON, CASPER FSS (RCO)

FIXES AND/OR NAVAIDS:

CHART: (CFCFD)



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GEYSER	FIVE	GEYSR5.NALSI	FOUR	05 JUN 08	21 JULY 2016

REMARKS:

THE CLIMB GRADIENT MINIMUMS ARE FOR AIRCRAFT TO REACH THE MEA/MCA, AVOID A CLIMB-IN-HOLDING AT NALSI AND AT ATC REQUEST.

FLIGHT INSPECTED BY: *Digitally signed by*

THOMAS E MOLOKIE **ALLAN WILL** FICO 05/04/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY: *May 06, 2016
Digitally signed by*

ALAN WILL (IVAN BLANCO) **ALLAN WILL** AJV-5432 3/10/16

APPROVED BY: *May 06, 2016
Digitally signed by*

LONNIE EVERHART **ALLAN WILL** AJV-5430

COORDINATED WITH: *May 06, 2016*

ATA, ALPA, APA, AOPA, NBAA, ZLC, JAC ATCT, AIRPORT MANAGER.

CHANGES:

1. ADDED CHART NOTE: DME REQUIRED.
2. DELETED FIX JATIK AND ADDED FIX CFCFD.
3. CHANGED SECTION 2 CONTROLLER FROM 7199 FT MSL TREE TO 7002 FT MSL TREE.
4. DELETED EXCESSIVE OBSTACLES LISTED AS CONTROLLING OBSTACLES.
5. DEFINED OBSTACLE MANDATING ROUTE DEVELOPMENT.
6. CHANGED VCOA MINIMUMS FROM 4400-3 TO 4500-3.

REASONS:

1. GIYER IS A DME ONLY FIX AND HAD TO BE FLIGHT CHECKED AS ONE TO OBTAIN SAT EVALUATION.
2. JATIK DID NOT MEET CURRENT NAMING CONVENTION FOR A CNF FIX.
3. 7199 FT MSL TREE FALLS OUTSIDE OF THE SECTION 2 TRAPEZOID.
4. EXCESSIVE OBSTACLES WERE NOT CONTROLLING OBSTACLES.
5. OBSTACLE MANDATING ROUTE WAS NOT DOCUMENTED.
6. TO COMPLY WITH CURRENT CEILING CALCULATION CRITERIA.



DEPARTURE (DATA RECORD)

DP Name GEYSER	Number FIVE	DP Computer Code GEYSR5.NALSI	Superseded Number FOUR	Dated 05 JUN 08	Effective Date 21 JULY 2016
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ARINC SUMMARY - KJAC

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW01	010	GIYER	CF	FB		007.0	JAC							E
RW01	020	CFCFD	TF	FB										E
RW01	030	NALSI	TF	FB								AA 14000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JAC	N433715.74	W1104354.07
NALSI	N435131.43	W1103233.63
CFCFD	N434115.21	W1104044.28
GIYER	N434013.69	W1104224.97

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW01	N433557.10	W1104430.19	06413



[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31079](#); Amdt. No. [3698](#)]

**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 amends, suspends, or removes 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 for the 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. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001;

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 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 the National Flight Data Center online at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Thomas J. Nichols, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Procedures 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 (NFDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR §97.20. 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 on FAA form documents is unnecessary.

This amendment provides the affected CFR sections, and specifies the SIAPs and Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

Availability and Summary of Material Incorporated by Reference

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPs, Takeoff Minimums and ODPs as identified in the amendatory language for part 97 of this final rule.

The Rule

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

The SIAPs and Takeoff Minimums and ODPs, as modified by FDC permanent 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 and Takeoff Minimums and ODPs, 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 that created the need for these SIAP and Takeoff Minimums and ODP amendments require making them effective in less than 30 days.

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 procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C. 553(d), good cause exists for making these SIAPs effective in less than 30 days.

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, Navigation (Air).

Issued in Washington, DC on [MAY 20,2016](#)



John S. Duncan
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 and Takeoff Minimums and ODPs, 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(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

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

.....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
23-Jun-16	TX	Eagle Pass	Maverick County Memorial Intl	5/3181	04/27/16	This NOTAM, published in TL 16-13, is hereby rescinded in its entirety.
23-Jun-16	MO	Macon	Macon-Fower Memorial	6/4284	04/27/16	This NOTAM, published in TL 16-13, is hereby rescinded in its entirety.
23-Jun-16	CO	Steamboat Springs	Steamboat Springs/Bob Adams Field	6/5725	04/18/16	This NOTAM, published in TL 16-13, is hereby rescinded in its entirety.
AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
23-Jun-16	NV	Reno	Reno/Tahoe Intl	5/1845	5/10/16	RNAV (RNP) Y RWY 16R, Amdt 1A
23-Jun-16	NV	Reno	Reno/Tahoe Intl	5/1846	5/10/16	RNAV (GPS) X RWY 16L, Amdt 1B
23-Jun-16	NV	Reno	Reno/Tahoe Intl	5/1847	5/10/16	RNAV (GPS) X RWY 16R, Amdt 1B
23-Jun-16	NV	Reno	Reno/Tahoe Intl	5/1849	5/10/16	RNAV (RNP) Z RWY 16R, Amdt 1
23-Jun-16	NV	Reno	Reno/Tahoe Intl	5/1852	5/10/16	RNAV (RNP) Z RWY 16L, Amdt 1
23-Jun-16	NV	Reno	Reno/Tahoe Intl	5/1853	5/10/16	RNAV (RNP) Y RWY 16L, Amdt 1
23-Jun-16	WV	Huntington	Tri-State/Milton J Ferguson Field	5/6941	5/5/16	RADAR 1, Amdt 8
23-Jun-16	MS	Natchez	Hardy-Anders Field Natchez-Adams County	5/7613	5/10/16	RNAV (GPS) RWY 31, Amdt 1
23-Jun-16	MS	Natchez	Hardy-Anders Field Natchez-Adams County	5/7615	5/10/16	ILS OR LOC RWY 13, Amdt 2
23-Jun-16	MS	Natchez	Hardy-Anders Field Natchez-Adams County	5/7616	5/10/16	VOR RWY 18, Amdt 10D
23-Jun-16	MS	Natchez	Hardy-Anders Field Natchez-Adams County	5/7617	5/10/16	RNAV (GPS) RWY 36, Amdt 1
23-Jun-16	MS	Natchez	Hardy-Anders Field Natchez-Adams County	5/7618	5/10/16	RNAV (GPS) RWY 13, Amdt 1
23-Jun-16	MS	Natchez	Hardy-Anders Field Natchez-Adams County	5/7620	5/10/16	RNAV (GPS) RWY 18, Amdt 1

23-Jun-16	TX	George West	Live Oak County	5/7676	5/3/16	Takeoff Minimums and (Obstacle) DP, Orig
23-Jun-16	IA	Cedar Rapids	The Eastern Iowa	6/0235	5/3/16	ILS OR LOC RWY 9, Amdt 18A
23-Jun-16	IL	Springfield	Abraham Lincoln Capital	6/0849	5/5/16	ILS OR LOC RWY 4, Amdt 25F
23-Jun-16	IL	Springfield	Abraham Lincoln Capital	6/0850	5/5/16	VOR/DME RWY 4, Orig-A
23-Jun-16	SD	Pierre	Pierre Rgnl	6/1114		VOR/DME OR TACAN RWY 7, Amdt 5A
23-Jun-16	CA	Columbia	Columbia	6/1224	5/3/16	RNAV (GPS) RWY 35, Orig
23-Jun-16	IN	Shelbyville	Shelbyville Muni	6/2105	5/3/16	RNAV (GPS) RWY 19, Amdt 1
23-Jun-16	IN	Shelbyville	Shelbyville Muni	6/2108	5/3/16	RNAV (GPS) RWY 1, Amdt 1
23-Jun-16	IN	Indianapolis	Eagle Creek Airpark	6/2258	5/10/16	LOC RWY 21, Amdt 4
23-Jun-16	IN	Indianapolis	Eagle Creek Airpark	6/2259	5/10/16	RNAV (GPS) RWY 21, Amdt 1
23-Jun-16	MN	Warroad	Warroad Intl Memorial	6/2264	5/10/16	Takeoff Minimums and (Obstacle) DP, Orig
23-Jun-16	MN	Warroad	Warroad Intl Memorial	6/2266	5/10/16	ILS OR LOC RWY 31, Amdt 1A
23-Jun-16	MN	Warroad	Warroad Intl Memorial	6/2268	5/10/16	NDB RWY 31, Amdt 2
23-Jun-16	TX	Jasper	Jasper County-Bell Field	6/2428	5/10/16	RNAV (GPS) RWY 36, Orig-A
23-Jun-16	AL	Decatur	Pryor Field Rgnl	6/2950	5/10/16	ILS Z OR LOC Z RWY 18, Amdt 1
23-Jun-16	OK	Oklahoma City	Sundance Airpark	6/3722	4/27/16	Takeoff Minimums and (Obstacle) DP, Amdt 1
23-Jun-16	MO	Lamar	Lamar Muni	6/4071	5/10/16	RNAV (GPS) RWY 3, Amdt 1
23-Jun-16	TX	Dallas	Collin County Rgnl At Mc Kinney	6/4225	4/27/16	ILS OR LOC RWY 18, Amdt 5A
23-Jun-16	TX	Dallas	Collin County Rgnl At Mc Kinney	6/4227	4/27/16	RNAV (GPS) RWY 18, Amdt 2A
23-Jun-16	TX	Dallas	Collin County Rgnl At Mc Kinney	6/4229	4/27/16	RNAV (GPS) RWY 36, Amdt 3A
23-Jun-16	TX	Dallas	Collin County Rgnl At Mc Kinney	6/4230	5/10/16	VOR/DME-A, Amdt 2
23-Jun-16	TX	Dallas	Collin County Rgnl At Mc Kinney	6/4235	4/27/16	Takeoff Minimums and (Obstacle) DP, Amdt 2
23-Jun-16	KS	Russell	Russell Muni	6/4618	5/3/16	RNAV (GPS) RWY 17, Orig
23-Jun-16	MI	Davison	Athelone Williams Memorial	6/4656	5/3/16	VOR RWY 8, Orig-C
23-Jun-16	OH	Akron	Akron-Canton Rgnl	6/4659	5/5/16	RNAV (GPS) RWY 23, Orig
23-Jun-16	TX	Denton	Denton Muni	6/4725	4/27/16	ILS OR LOC RWY 18, Amdt 9A

23-Jun-16	TX	Denton	Denton Muni	6/4726	4/27/16	NDB RWY 18, Amdt 7A
23-Jun-16	TX	Denton	Denton Muni	6/4727	4/27/16	RNAV (GPS) RWY 18, Orig-A
23-Jun-16	TX	Denton	Denton Muni	6/4728	4/27/16	RNAV (GPS) RWY 36, Amdt 2A
23-Jun-16	TX	Denton	Denton Muni	6/4729	4/27/16	Takeoff Minimums and (Obstacle) DP, Amdt 3
23-Jun-16	TX	Panhandle	Panhandle-Carson County	6/4855	5/5/16	VOR-A, Orig-A
23-Jun-16	OH	Norwalk	Norwalk-Huron County	6/4884	5/3/16	RNAV (GPS) RWY 28, Orig
23-Jun-16	WI	La Crosse	La Crosse Rgnl	6/4885	5/5/16	RNAV (GPS) RWY 31, Orig-B
23-Jun-16	TX	Beaumont/Port Arthur	Jack Brooks Rgnl	6/5048	5/5/16	VOR RWY 12, Amdt 9C
23-Jun-16	FL	Tampa	Tampa Intl	6/5585	5/3/16	ILS OR LOC RWY 19R, Amdt 5B
23-Jun-16	KY	Williamsburg	Williamsburg-Whitley County	6/5990	5/3/16	LOC/DME RWY 20, Orig-A
23-Jun-16	KY	Williamsburg	Williamsburg-Whitley County	6/5991	5/3/16	VOR/DME RWY 20, Orig-B
23-Jun-16	TX	Fort Worth	Bourland Field	6/6092	5/10/16	RNAV (GPS) RWY 17, Orig
23-Jun-16	TX	Fort Worth	Bourland Field	6/6093	5/10/16	VOR/DME-A, Orig-B
23-Jun-16	AR	Monticello	Monticello Muni/Ellis Field	6/6300	5/3/16	Takeoff Minimums and (Obstacle) DP, Orig
23-Jun-16	AL	Tuscaloosa	Tuscaloosa Rgnl	6/6366	5/10/16	RNAV (GPS) RWY 30, Orig-B
23-Jun-16	KY	Frankfort	Capital City	6/7004	5/5/16	VOR RWY 25, Amdt 3B
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7023	5/10/16	ILS OR LOC RWY 17R, Amdt 12
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7024	5/10/16	ILS OR LOC RWY 17L, Amdt 3
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7025	5/10/16	ILS OR LOC/DME RWY 35L, Amdt 2
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7027	5/10/16	RNAV (RNP) Z RWY 17L, Amdt 3
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7029	5/10/16	RNAV (RNP) Z RWY 17R, Amdt 1
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7030	5/10/16	RNAV (RNP) Z RWY 35L, Amdt 1
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7031	5/10/16	RNAV (RNP) Z RWY 35R, Amdt 2
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7032	5/10/16	RNAV (GPS) Y RWY 17L, Amdt 3
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7033	5/10/16	RNAV (GPS) Y RWY 17R, Amdt 4
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7034	5/10/16	RNAV (GPS) Y RWY 35R, Amdt 3
23-Jun-16	AR	Mountain Home	Baxter County	6/7037	5/3/16	VOR-A, Amdt 10

23-Jun-16	AR	Mountain Home	Baxter County	6/7038	5/3/16	ILS OR LOC/DME RWY 5, Orig-A
23-Jun-16	AR	Mountain Home	Baxter County	6/7039	5/3/16	RNAV (GPS) RWY 5, Orig-A
23-Jun-16	IN	Washington	Daviess County	6/7040	5/3/16	RNAV (GPS) RWY 18, Amdt 1
23-Jun-16	NM	Hobbs	Lea County Rgnl	6/7041	5/5/16	VOR/DME OR TACAN RWY 21, Amdt 9A
23-Jun-16	OR	Prineville	Prineville	6/7869	5/10/16	Takeoff Minimums and (Obstacle) DP, Amdt 2
23-Jun-16	OK	Oklahoma City	Will Rogers World	6/7940	5/10/16	ILS OR LOC/DME RWY 35R, ILS RWY 35R (SA CAT I), ILS RWY 35R (CAT II), Amdt 10
23-Jun-16	IN	Shelbyville	Shelbyville Muni	6/7997	5/3/16	VOR RWY 19, Amdt 1
23-Jun-16	SD	Sioux Falls	Joe Foss Field	6/8827	5/5/2016	RNAV (GPS) RWY 27, Orig-C
23-Jun-16	SD	Sioux Falls	Joe Foss Field	6/8828	5/5/16	RNAV (GPS) RWY 9, Orig-C
23-Jun-16	TX	Albany	Albany Muni	6/8829	5/5/16	RNAV (GPS) RWY 17, Amdt 1
23-Jun-16	TX	Albany	Albany Muni	6/8830	5/5/16	RNAV (GPS) RWY 35, Amdt 1
23-Jun-16	TX	Comanche	Comanche County-City	6/8831	5/5/16	RNAV (GPS) RWY 17, Amdt 1
23-Jun-16	MN	Bemidji	Bemidji Rgnl	6/8832	5/3/16	RNAV (GPS) RWY 13, Amdt 1
23-Jun-16	MN	Bemidji	Bemidji Rgnl	6/8833	5/3/16	VOR/DME RWY 13, Amdt 1
23-Jun-16	AL	Muscle Shoals	Northwest Alabama Rgnl	6/8834	5/10/16	ILS Z OR LOC/DME Z RWY 29, Amdt 6
23-Jun-16	AL	Muscle Shoals	Northwest Alabama Rgnl	6/8836	5/10/16	ILS Y OR LOC/DME Y RWY 29, Orig
23-Jun-16	AL	Muscle Shoals	Northwest Alabama Rgnl	6/8837	5/10/16	RNAV (GPS) RWY 29, Amdt 2
23-Jun-16	AL	Muscle Shoals	Northwest Alabama Rgnl	6/8838	5/10/16	RNAV (GPS) RWY 11, Amdt 2
23-Jun-16	AL	Muscle Shoals	Northwest Alabama Rgnl	6/8839	5/10/16	RNAV (GPS) RWY 18, Amdt 1
23-Jun-16	AL	Muscle Shoals	Northwest Alabama Rgnl	6/8841	5/10/16	RNAV (GPS) RWY 36, Amdt 1
23-Jun-16	MO	Warsaw	Warsaw Muni	6/9693	5/3/16	RNAV (GPS) RWY 18, Orig
23-Jun-16	MO	Warsaw	Warsaw Muni	6/9694	5/3/16	RNAV (GPS) RWY 36, Orig
23-Jun-16	OH	Phillipsburg	Phillipsburg	6/9746	5/3/16	VOR OR GPS RWY 21, Amdt 3
23-Jun-16	OK	Prague	Prague Muni	6/9929	5/10/16	RNAV (GPS) RWY 17, Orig

23-Jun-16	FL	Pensacola	Pensacola Intl	6/9932	5/10/16	RNAV (GPS) RWY 8, Amdt 2B
23-Jun-16	FL	Pensacola	Pensacola Intl	6/9933	5/10/16	RNAV (GPS) RWY 26, Amdt 2B
23-Jun-16	FL	Pensacola	Pensacola Intl	6/9934	5/10/16	RNAV (GPS) RWY 35, Amdt 2B

AIRAC Date: 23 JUNE 2016

FDC **5/1845** RNO IAP RENO/TAHOE INTL, RENO, NV. RNAV (RNP) Y RWY 16R, AMDT 1A... CHANGE THRE 4415 TO TDZE 4415. THIS IS RNAV (RNP) Y RWY 16R, AMDT 1B. 1512301829-PERM

FDC **5/1846** RNO IAP RENO/TAHOE INTL, RENO, NV. RNAV (GPS) X RWY 16L, AMDT 1B... CHANGE THRE 4415 TO TDZE 4415. DELETE NOTE: CIRCLING TO RWY 7, 25 NA AT NIGHT.. CHART NOTE: NIGHT LANDING: RWY 7, 25 NA.. DELETE NOTE: VISIBILITY REDUCTIONS BY HELICOPTERS NA.. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA.. THIS IS RNAV (GPS) X RWY 16L, AMDT 1C. 1512301829-PERM

FDC **5/1847** RNO IAP RENO/TAHOE INTL, RENO, NV. RNAV (GPS) X RWY 16R, AMDT 1B... CHANGE THRE 4415 TO TDZE 4415. DELETE NOTE: CIRCLING TO RWY 7, 25 NA AT NIGHT.. CHART NOTE: NIGHT LANDING: RWY 7, 25 NA.. THIS IS RNAV (GPS) X RWY 16R, AMDT 1C. 1512301829-PERM

FDC **5/1849** RNO IAP RENO/TAHOE INTL, RENO, NV. RNAV (RNP) Z RWY 16R, AMDT 1... RNP 0.17 DA 4973/HAT 558 ALL CATS. VIS 1 3/8 ALL CATS. FOR INOPERATIVE MALSR, INCREASE RNP 0.17 ALL CATS VISIBILITY TO 1 3/4 AND RNP 0.30 ALL CATS VISIBILITY TO 2 1/2.. CHANGE THRE 4415 TO TDZE 4415. THIS IS RNAV (RNP) Z RWY 16R, AMDT 1A. 1512301829-PERM

FDC **5/1852** RNO IAP RENO/TAHOE INTL, RENO, NV. RNAV (RNP) Z RWY 16L, AMDT 1... CHANGE THRE 4415 TO TDZE 4415. THIS IS RNAV (RNP) Z RWY 16L, AMDT 1A. 1512301829-PERM

FDC **5/1853** RNO IAP RENO/TAHOE INTL, RENO, NV. RNAV (RNP) Y RWY 16L, AMDT 1... CHANGE THRE 4415 TO TDZE 4415. THIS IS RNAV (RNP) Y RWY 16L, AMDT 1A. 1512301829-PERM

FDC **5/6941** HTS IAP TRI-STATE/MILTON J FERGUSON FIELD, HUNTINGTON, WV. RADAR 1, AMDT 8... ASR 12 MDA 1280/HAT 452 ALL CATS. FAS OBST: 1052 TOWER 382413N/0823629W. TDZE: RWY 12/30:828. CHANGE HELICOPTER NOTE TO READ: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RADAR 1, AMDT 8A. 1511202143-PERM

FDC **5/7613** HEZ IAP HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY, NATCHEZ, MS. RNAV (GPS) RWY 31, AMDT 1... LP HAT 468 ALL CATS. LNAV HAT 528 ALL CATS. CHART TDZE 272 DELETE THRE 269. THIS IS RNAV (GPS) RWY 31, AMDT 1A. 1512161153-PERM

FDC **5/7615** HEZ IAP HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY, NATCHEZ, MS. ILS OR LOC RWY 13, AMDT 2... S-ILS DA 466. S-LOC HAT 434 ALL CATS. CHART TDZE 266 DELETE THRE 261. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VICKSBURG TALLULAH RGNL ALTIMETER SETTING; INCREASE DA TO 599 FEET AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL MDA 140 FEET AND S-LOC 13 CAT C AND D VISIBILITY 1/2 MILE, CIRCLING CAT C/D VISIBILITY 1/4 MILE.. THIS IS ILS OR LOC RWY 13, AMDT 2A. 1512161153-PERM

FDC **5/7616** HEZ IAP HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY, NATCHEZ, MS. VOR RWY 18, AMDT 10D... S-18 HAT 608 ALL CATS. CHART TDZE 272 DELETE THRE 270. DELETE NOTE: RWY 18 STRAIGHT-IN MINIMUMS NA AT NIGHT.. CHART NOTE: NIGHT LANDING: RWY 18 NA.. CHART PROFILE NOTE: INCREASE WULAN FIX ALTITUDE TO 1020 WHEN USING VICKSBURG TALLULAH RGNL ALTIMETER SETTING.. THIS IS VOR RWY 18, AMDT 10E. 1512161153-PERM

FDC **5/7617** HEZ IAP HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY, NATCHEZ, MS. RNAV (GPS) RWY 36, AMDT 1... LP MDA 660/HAT 388 ALL CATS.. LNAV HAT 448 ALL CATS. CHART TDZE 272 DELETE THRE 261. DELETE NOTE: RWY 36 STRAIGHT-IN MINIMUMS NA AT NIGHT.. CHART NOTE: NIGHT LANDING: RWY 36 NA.. DELETE NOTE: HELICOPTER VISIBILITY BELOW 1 SM NA.. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.. THIS IS RNAV (GPS) RWY 36, AMDT 1A. 1512161153-PERM

FDC **5/7618** HEZ IAP HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY, NATCHEZ, MS. RNAV (GPS) RWY 13, AMDT 1... LPV DA 466.. LNAV/VNAV DA 534/HAT 268 ALL CATS. LNAV HAT 414 ALL CATS. CHART TDZE 266 DELETE THRE 262. THIS IS RNAV (GPS) RWY 13, AMDT 1A. 1512161153-PERM

FDC **5/7620** HEZ IAP HARDY-ANDERS FIELD NATCHEZ-ADAMS COUNTY, NATCHEZ, MS. RNAV (GPS) RWY 18, AMDT 1... CHART TDZE 272 DELETE THRE 270. DELETE NOTE: RWY 18 STRAIGHT-IN MINIMUMS NA AT NIGHT.. CHART NOTE: NIGHT LANDING: RWY 18 NA.. LNAV MDA 660/HAT 388 ALL CATS. CHART FAS OBST: 403 TREE 313654N/0911708W.. LP MDA 620/HAT 348 ALL CATS. CHART FAS OBST: 353 TREE 313725N/0911734W.. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1512161153-PERM

FDC **5/7676** 8T6 ODP LIVE OAK COUNTY, GEORGE WEST, TX. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKEOFF OBSTACLE NOTES: RWY 13, TREES AND POLES BEGINNING 20 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 37 FT AGL/157 FT MSL. VEHICLES ON ROAD STARTING 200 FT FROM DER, 431 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/138 FT MSL. TREES 815 FT FROM DER, 613 FT RIGHT OF CENTERLINE, 48 FT AGL/168 FT MSL. RWY 31, BUILDING, TREES AND POLES BEGINNING 57 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/163 FT MSL. VEHICLES ON ROAD STARTING 85 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/143 FT MSL. TREES AND POLES BEGINNING 365 FT FROM DER, 401 FT LEFT OF CENTERLINE, 50 FT AGL/180 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1511241542-PERM

FDC **6/0235** CID IAP THE EASTERN IOWA, CEDAR RAPIDS, IA. ILS OR LOC RWY 9, AMDT 18A... CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1100 MSL. THIS IS ILS OR LOC RWY 9, AMDT 18B. 1604152123-PERM

FDC **6/0849** SPI IAP ABRAHAM LINCOLN CAPITAL, SPRINGFIELD, IL. ILS OR LOC RWY 4, AMDT 25F... S-LOC 4, MDA 1020/HAT 428 ALL CATS, VISIBILITY CAT C/D RVR 4000. CIRCLING CAT A/B MDA 1040/HAA 442, CAT C MDA 1360/HAA 762, CAT D MDA 1380/HAA 782, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING AND INCREASE ALL DA 57 FEET, ALL MDA 60FT, INCREASE S-LOC AND CIRCLING CAT C/D VISIBILITY 1/4 MILE. ALTERNATE MINIMUMS: ILS: STANDARD EXCEPT, CAT C 800-2 1/4, CAT D 800-2 1/2, LOC: STANDARD, EXCEPT CAT C 800-2 1/4, CAT D 800-2 1/2. CHART FAS OBST: 761 TWR 394651N/0894410W. CHART CIRCLING ICON. THIS IS ILS OR LOC RWY 4, AMDT 25G. 1603282010-PERM

FDC **6/0850** SPI IAP ABRAHAM LINCOLN CAPITAL, SPRINGFIELD, IL. VOR/DME RWY 4, ORIG-A... S-4 CAT C/D VISIBILITY RVR 4000, CIRCLING CAT A MDA 1040/HAA 442, CAT C MDA 1360/HAA 762, CAT D MDA 1380/HAA 782, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING AND INCREASE ALL MDA 60FT, INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE. ALTERNATE MINIMUMS: STANDARD, EXCEPT CAT C 800-2 1/4, CAT D 800-2 1/2. CHART CIRCLING ICON. THIS IS VOR/DME RWY 4, ORIG-B. 1603282010-PERM

FDC **6/1114** PIR IAP PIERRE RGNL, PIERRE, SD. VOR/DME OR TACAN RWY 7, AMDT 5A... CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE 3.00/TCH 47). VDP AT 7.12 DME; DISTANCE VDP TO FINBA 1.22 MILES. THIS IS VOR/DME OR TACAN RWY 7, AMDT 5B. 1602051952-PERM

FDC **6/1224** O22 IAP COLUMBIA, COLUMBIA, CA. RNAV (GPS) RWY 35, ORIG... LNAV MDA 3140 / HAT 1035 ALL CATS. LNAV VISIBILITY CAT A 1 1/4, CAT B 1 1/2, CAT C 3. CIRCLING MDA 3140 / HAA 1019 ALL CATS, CIRCLING VISIBILITY CAT A 1 1/4, CAT B 1 1/2, CAT C 3. DELETE DESCENT ANGLE 3.03/TCH 54. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. DELETE PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. ALTERNATE MINIMUMS: CAT A/B 1100-2, CAT C 1100-3. AIRPORT ELEV 2121, TDZE 2105. THIS IS RNAV (GPS) RWY 35, ORIG-A. 1603291633-PERM

FDC **6/2105** GEZ IAP SHELBYVILLE MUNI, SHELBYVILLE, IN. RNAV (GPS) RWY 19, AMDT 1... CIRCLING CAT C MDA 1320/HAA 517. CHART NOTE: CIRCLING TO RWYS 9 AND 27 NA. THIS IS RNAV (GPS) RWY 19, AMDT 1A. 1603041741-PERM

FDC **6/2108** GEZ IAP SHELBYVILLE MUNI, SHELBYVILLE, IN. RNAV (GPS) RWY 1, AMDT 1... LNAV MDA 1300/HAT 498 ALL CATS, VISIBILITY CAT C/D 1 3/8. CIRCLING CAT A/B MDA 1300/HAA 497, CAT C MDA 1320/HAA 517. CHART NOTE: CIRCLING NA TO RWYS 9 AND 27. CHART FAS OBST: 983 TOWER 393252N/0854739W.. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART VDP AT 1.48 MILES TO RW01. THIS IS RNAV (GPS) RWY 1, AMDT 1A. 1603041747-PERM

FDC **6/2258** EYE IAP EAGLE CREEK AIRPARK, INDIANAPOLIS, IN. LOC RWY 21, AMDT 4... TERMINAL ROUTE VHP VORTAC TO FAXAG/VHP 14.64 DME 034.86/14.64. DESCENT ANGLE MUBDE TO RW21 3.00/TCH 55. THIS IS LOC RWY 21, AMDT 4A. 1603311117-PERM

FDC **6/2259** EYE IAP EAGLE CREEK AIRPARK, INDIANAPOLIS, IN. RNAV (GPS) RWY 21, AMDT 1... DELETE NOTE: BARO-VNAV AND VDP NA WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 21, AMDT 1A. 1603311117-PERM

FDC **6/2264** RRT ODP WARROAD INTL MEMORIAL, WARROAD, MN. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... NOTE: RWY 13, POLE 148 FT FROM DER, 471 FT RIGHT OF CENTERLINE, 24 FT AGL/1093 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1603311129-PERM

FDC **6/2266** RRT IAP WARROAD INTL MEMORIAL, WARROAD, MN. ILS OR LOC RWY 31, AMDT 1A... APT ELEV: 1076. TDZE: 1076. S-ILS 31 DA 1276. S-LOC 31 HAT 384, CAT C/D VIS 5/8. CHART CIRCLING ICON. CIRCLING HAA CAT A 424, CAT B 464. CIRCLING CAT C MDA 1960/HAA 884, VIS 2 3/4. CIRCLING CAT D MDA 1960/HAA 884, VIS 3. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROSEAU ALTIMETER SETTING AND INCREASE DA TO 1312 FT; INCREASE ALL MDA 40 FT AND LOC CAT C/D VISIBILITY 1/8 MILE. CHART VDP AT 2.19 DME* DISTANCE VDP TO THLD 1.12 MILES. *LOC ONLY. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 29). THIS IS ILS OR LOC RWY 31, AMDT 1B. 1603311129-PERM

FDC **6/2268** RRT IAP WARROAD INTL MEMORIAL, WARROAD, MN. NDB RWY 31, AMDT 2... APT ELEV: 1076. TDZE: 1076. S-31 HAT 464, CAT C/D VIS 1. CHART CIRCLING ICON. CIRCLING CAT A/B HAA 464. CIRCLING CAT C MDA 1960/HAA 884, VIS 2 3/4. CIRCLING CAT D MDA 1960/HAA 884, VIS 3. CHANGE LOCAL ALTIMETER SETTING NOT RECEIVED NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROSEAU ALTIMETER SETTING AND INCREASE ALL MDA 40 FT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BDE VOR/DME ON V217 SOUTHEAST BOUND. THIS IS NDB RWY 31, AMDT 2A. 1603311129-PERM

FDC **6/2428** JAS IAP JASPER COUNTY-BELL FIELD, JASPER, TX. RNAV (GPS) RWY 36, ORIG-A... CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.15/TCH 48.6). THIS IS RNAV (GPS) RWY 36, ORIG-B. 1603311233-PERM

FDC **6/2950** DCU IAP PRYOR FIELD RGNL, DECATUR, AL. ILS Z OR LOC Z RWY 18, AMDT 1... MSA FROM RQZ VORTAC WITHIN 25 NM 360-360 3700 FEET. THIS IS ILS Z OR LOC Z RWY 18, AMDT 1A. 1604211907-PERM

FDC **6/3722** HSD ODP SUNDANCE AIRPARK, OKLAHOMA CITY, OK. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... CHANGE AIRPORT NAME FROM SUNDANCE AIRPARK TO SUNDANCE. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A. 1604231359-PERM

FDC **6/4071** LLU IAP LAMAR MUNI, LAMAR, MO. RNAV (GPS) RWY 3, AMDT 1... DELETE THRE 1005. CHART TDZE 1007. LP HAT 373 ALL CATS. LNAV HAT 473 ALL CATS. DELETE NOTE: RWY 3 STRAIGHT-IN AND CIRCLING, AND CIRCLING TO RWY 21 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 3, 21 NA. THIS IS RNAV (GPS) RWY 3, AMDT 1A. 1603092217-PERM

FDC **6/4225** TKI IAP COLLIN COUNTY RGNL AT MC KINNEY, DALLAS, TX. ILS OR LOC RWY 18, AMDT 5A... CHANGE AIRPORT NAME FROM COLLIN COUNTY RGNL AT MC KINNEY TO MCKINNEY NATIONAL. THIS IS ILS OR LOC RWY 18, AMDT 5B. 1604251602-PERM

FDC **6/4227** TKI IAP COLLIN COUNTY RGNL AT MC KINNEY, DALLAS, TX. RNAV (GPS) RWY 18, AMDT 2A... CHANGE AIRPORT NAME FROM COLLIN COUNTY RGNL AT MC KINNEY TO MCKINNEY NATIONAL. THIS IS RNAV (GPS) RWY 18, AMDT 2B. 1604251602-PERM

FDC **6/4229** TKI IAP COLLIN COUNTY RGNL AT MC KINNEY, DALLAS, TX. RNAV (GPS) RWY 36, AMDT 3A... CHANGE AIRPORT NAME FROM COLLIN COUNTY RGNL AT MC KINNEY TO MCKINNEY NATIONAL. THIS IS RNAV (GPS) RWY 36, AMDT 3B. 1604251602-PERM

FDC **6/4230** TKI IAP COLLIN COUNTY RGNL AT MC KINNEY, DALLAS, TX. VOR/DME-A, AMDT 2... CHANGE AIRPORT NAME FROM COLLIN COUNTY RGNL AT MC KINNEY TO MCKINNEY NATIONAL. THIS IS VOR/DME-A, AMDT 2A. 1604251602-PERM

FDC **6/4235** TKI ODP COLLIN COUNTY RGNL AT MC KINNEY, DALLAS, TX. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... CHANGE AIRPORT NAME FROM COLLIN COUNTY RGNL AT MC KINNEY TO MC KINNEY NATIONAL. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A. 1604251602-PERM

FDC **6/4618** RSL IAP RUSSELL MUNI, RUSSELL, KS. RNAV (GPS) RWY 17, ORIG... LNAV/VNAV VIS 1 1/8 ALL CATS. CHART NOTE: CIRCLING NA TO RWYS 3 AND 21. CHANGE BARO-VNAV NA NOTE TO READ: BARO-VNAV AND VDP NA WHEN USING HAYS ALTIMETER SETTING. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAYS ALTIMETER SETTING: INCREASE LPV DA ALL CATS TO 2186 FT, LNAV/VNAV ALL CATS DA TO 2244 FT AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 80 FT AND LNAV CAT C VISIBILITY 1/4 MILE. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 41). CHART VDP AT 1.00 MILES TO RW17* *LNAV ONLY. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1604042002-PERM

FDC **6/4656** 6G0 IAP ATHELONE WILLIAMS MEMORIAL, DAVISON, MI. VOR RWY 8, ORIG-C... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 08 NA. THIS IS VOR RWY 8, ORIG-D. 1604042058-PERM

FDC **6/4659** CAK IAP AKRON-CANTON RGNL, AKRON, OH. RNAV (GPS) RWY 23, ORIG... DELETE THRE 1226. CHART TDZE 1226. THIS IS RNAV (GPS) RWY 23, ORIG-A. 1604042100-PERM

FDC **6/4725** DTO IAP DENTON MUNI, DENTON, TX. ILS OR LOC RWY 18, AMDT 9A... CHANGE AIRPORT NAME FROM DENTON MUNI TO DENTON ENTERPRISE. THIS IS ILS OR LOC RWY 18, AMDT 9B. 1604261251-PERM

FDC **6/4726** DTO IAP DENTON MUNI, DENTON, TX. NDB RWY 18, AMDT 7A... CHANGE AIRPORT NAME FROM DENTON MUNI TO DENTON ENTERPRISE. THIS IS NDB RWY 18, AMDT 7B. 1604261251-PERM

FDC **6/4727** DTO IAP DENTON MUNI, DENTON, TX. RNAV (GPS) RWY 18, ORIG-A... CHANGE AIRPORT NAME FROM DENTON MUNI TO DENTON ENTERPRISE. THIS IS RNAV (GPS) RWY 18, ORIG-B. 1604261251-PERM

FDC **6/4728** DTO IAP DENTON MUNI, DENTON, TX. RNAV (GPS) RWY 36, AMDT 2A... CHANGE AIRPORT NAME FROM DENTON MUNI TO DENTON ENTERPRISE. THIS IS RNAV (GPS) RWY 36, AMDT 2B. 1604261251-PERM

FDC **6/4729** DTO ODP DENTON MUNI, DENTON, TX. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 3... CHANGE AIRPORT NAME FROM DENTON MUNI TO DENTON ENTERPRISE. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 3A. 1604261251-PERM

FDC **6/4855** T45 IAP PANHANDLE-CARSON COUNTY, PANHANDLE, TX. VOR-A, ORIG-A... CHANGE ALTIMETER SETTING NOTE TO READ: USE AMARILLO INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE HUTCHINSON COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; INCREASE CIRCLING CAT C VISIBILITY TO 2 1/2. DELETE NOTES: PROCEDURE NA AT NIGHT. VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS VOR-A, ORIG-B. 1604051434-PERM

FDC **6/4884** 5A1 IAP NORWALK-HURON COUNTY, NORWALK, OH. RNAV (GPS) RWY 28, ORIG... DELETE THRE 851. CHART TDZE 851. THIS IS RNAV (GPS) RWY 28, ORIG-A. 1604051501-PERM

FDC **6/4885** LSE IAP LA CROSSE RGNL, LA CROSSE, WI. RNAV (GPS) RWY 31, ORIG-B... DELETE DESCENT ANGLE 3.04/TCH 59. DELETE PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE 3.85/TCH 44). CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES. THIS IS RNAV (GPS) RWY 31, ORIG-C. 1604051502-PERM

FDC **6/5048** BPT IAP JACK BROOKS RGNL, BEAUMONT/PORT ARTHUR, TX. VOR RWY 12, AMDT 9C... S-12 CAT A/B VIS RVR 2400, CAT D/E RVR 4000. CHANGE FOR INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE S-12 CAT C/D/E VISIBILITY TO RVR 6000 CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 40 FT AND S-12 CAT C/D/E VISIBILITY TO RVR 4500 AND CIRCLING CAT E 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ORANGE COUNTY ALTIMETER SETTING, INCREASE S-12 CAT E VISIBILITY TO 1 3/8 MILE. THIS IS VOR RWY 12, AMDT 9D. 1604051818-PERM

FDC **6/5585** TPA IAP TAMPA INTL, TAMPA, FL. ILS OR LOC RWY 19R, AMDT 5B... DELETE NOTE: AUTOPILOT COUPLED APPROACH NA. THIS IS ILS OR LOC RWY 19R, AMDT 5C. 1604271752-PERM

FDC **6/5990** BYL IAP WILLIAMSBURG-WHITLEY COUNTY, WILLIAMSBURG, KY. LOC/DME RWY 20, ORIG-A... CHANGE: ALL REFERENCES OF LONDON (LOZ) VORTAC TO LONDON (LOZ) VOR/DME. THIS IS LOC/DME RWY 20, ORIG-B. 1604281242-PERM

FDC **6/5991** BYL IAP WILLIAMSBURG-WHITLEY COUNTY, WILLIAMSBURG, KY. VOR/DME RWY 20, ORIG-B... CHANGE: ALL REFERENCES OF LONDON (LOZ) VORTAC TO LONDON (LOZ) VOR/DME. THIS IS VOR/DME RWY 20, ORIG-C. 1604281242-PERM

FDC **6/6092** 50F IAP BOURLAND FIELD, FORT WORTH, TX. RNAV (GPS) RWY 17, ORIG... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1604281323-PERM

FDC **6/6093** 50F IAP BOURLAND FIELD, FORT WORTH, TX. VOR/DME-A, ORIG-B... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR/DME-A, ORIG-C. 1604281323-PERM

FDC **6/6300** LLQ ODP MONTICELLO MUNI/ELLIS FIELD, MONTICELLO, AR. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKE-OFF MINIMUMS: RWY 21, 300 - 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 436 FT. PER NM TO 600. ADD NOTE: RWY 21, TREES BEGINNING 6722 FEET FROM DER, 963 FEET RIGHT OF CENTERLINE, UP TO 110 FEET AGL/470 FEET MSL. ALL OTHER DATA REMAINS AS PUBLISHED.. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1604281613-PERM

FDC **6/6366** TCL IAP TUSCALOOSA RGNL, TUSCALOOSA, AL. RNAV (GPS) RWY 30, ORIG-B... CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. DELETE DESCENT ANGLE 3.04/TCH 58. THIS IS RNAV (GPS) RWY 30, ORIG-C. 1602191823-PERM

FDC **6/7004** FFT IAP CAPITAL CITY, FRANKFORT, KY. VOR RWY 25, AMDT 3B... CHANGE LOCAL ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE S-25 CAT C/D VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C 1/8 MILE, AND CAT D 1/4 MILE. DELETE NOTE: INOP TABLE DOES NOT APPLY TO S-25 CAT C AND D WHEN USING LEXINGTON ALTIMETER SETTING. DELETE NOTE: FOR INOP ODALS, INCREASE S-25 CAT C/D VISIBILITY TO 1 7/8. S-25 CAT A/B VIS 1, CAT C/D VIS 1 7/8. THIS IS VOR RWY 25, AMDT 3C. 1604081547-PERM

FDC **6/7023** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC RWY 17R, AMDT 12... DELETE THRE 1282. CHART TDZE 1282. THIS IS ILS OR LOC RWY 17R, AMDT 12A. 1604081632-PERM

FDC **6/7024** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC RWY 17L, AMDT 3... DELETE THRE 1286. CHART TDZE 1287. S-ILS 17L** DA 1487 ALL CATS. S-LOC HAT 453 ALL CATS. RURIQ FIX MINIMUMS S-LOC 17L HAT 393 ALL CATS. THIS IS ILS OR LOC RWY 17L, AMDT 3A. 1604081632-PERM

FDC **6/7025** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC/DME RWY 35L, AMDT 2... DELETE THRE 1263. CHART TDZE 1276. S-ILS 35L** DA 1476 ALL CATS. S-LOC HAT 364 ALL CATS. THIS IS ILS OR LOC/DME RWY 35L, AMDT 2A. 1604081632-PERM

FDC **6/7027** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 17L, AMDT 3... DELETE THRE 1286. CHART TDZE 1287. RNP 0.11 DA 1555 ALL CATS. RNP 0.20 DA 1643 ALL CATS. RNP 0.30 DA 1724 ALL CATS. THIS IS RNAV (RNP) Z RWY 17L, AMDT 3A. 1604081632-PERM

FDC **6/7029** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 17R, AMDT 1... DELETE THRE 1282. CHART TDZE 1282. THIS IS RNAV (RNP) Z RWY 17R, AMDT 1A. 1604081632-PERM

FDC **6/7030** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 35L, AMDT 1... DELETE THRE 1263. CHART TDZE 1276. RNP 0.30 DA 1646 ALL CATS. THIS IS RNAV (RNP) Z RWY 35L, AMDT 1A. 1604081632-PERM

FDC **6/7031** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 35R, AMDT 2... DELETE THRE 1283. CHART TDZE 1294. RNP 0.16 DA 1570 ALL CATS. RNP 0.30 DA 1674 ALL CATS.. THIS IS RNAV (RNP) Z RWY 35R, AMDT 2A. 1604081632-PERM

FDC **6/7032** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) Y RWY 17L, AMDT 3... DELETE THRE 1286. CHART TDZE 1287. LPV DA CHANGED FROM 1486 TO 1487 ALL CATS. LNAV/VNAV DA CHANGED FROM 1589 TO 1590 ALL CATS. LNAV HAT CHANGED FROM 374 TO 373 ALL CATS. THIS IS RNAV (GPS) Y RWY 17L, AMDT 3A. 1604081632-PERM

FDC **6/7033** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) Y RWY 17R, AMDT 4... DELETE THRE 1282. CHART TDZE 1282. THIS IS RNAV (GPS) Y RWY 17R, AMDT 4A. 1604081632-PERM

FDC **6/7034** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) Y RWY 35R, AMDT 3... DELETE THRE 1283. CHART TDZE 1294. LPV DA 1494 ALL CATS. LNAV/VNAV DA 1544 ALL CATS. LNAV HAT 286 ALL CATS. THIS IS RNAV (GPS) Y RWY 35R, AMDT 3A. 1604081632-PERM

FDC **6/7037** BPK IAP BAXTER COUNTY, MOUNTAIN HOME, AR. VOR-A, AMDT 10... CHART NOTE: NIGHT LANDING: RWY 23 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR-A, AMDT 10A. 1604081645-PERM

FDC **6/7038** BPK IAP BAXTER COUNTY, MOUNTAIN HOME, AR. ILS OR LOC/DME RWY 5, ORIG-A... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 23 NA. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS ILS OR LOC/DME RWY 5, ORIG-B. 1604081645-PERM

FDC **6/7039** BPK IAP BAXTER COUNTY, MOUNTAIN HOME, AR. RNAV (GPS) RWY 5, ORIG-A... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: NIGHT LANDING: RWY 23 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 5, ORIG-B. 1604081645-PERM

FDC **6/7040** DCY IAP DAVIESS COUNTY, WASHINGTON, IN. RNAV (GPS) RWY 18, AMDT 1... CHART TDZE 468. DELETE THRE 460. LPV DA 718 ALL CATS. LNAV/VNAV DA 751 ALL CATS. LNAV HAT 372 ALL CATS. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1604081648-PERM

FDC **6/7041** HOB IAP LEA COUNTY RGNL, HOBBS, NM. VOR/DME OR TACAN RWY 21, AMDT 9A... DELETE THRE 3649. CHART TDZE 3649. THIS IS VOR/DME OR TACAN RWY 21, AMDT 9B. 1604081650-PERM

FDC **6/7869** S39 ODP PRINEVILLE, PRINEVILLE, OR. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... TAKEOFF MINIMUMS: RWY 33, STANDARD WITH A MINIMUM CLIMB OF 380 FEET PER NM TO 6700, OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A. 1603211640-PERM

FDC **6/7940** OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC/DME RWY 35R, AMDT 10 ... ILS RWY 35R (CAT II), AMDT 10 ... ILS RWY 35R (SA CAT I), AMDT 10 ... DELETE THRE 1263. CHART TDZE 1294. S-ILS 35R DA 1494 ALL CATS. S-LOC HAT 346 ALL CATS. SA CAT I: S-ILS 35R DA 1444. CAT II: S-ILS 35R DA 1394. THIS IS ILS OR LOC/DME RWY 35R, AMDT 10A; ILS RWY 35R (CAT II), AMDT 10A; ILS RWY 35R (SA CAT I), AMDT 10A. 1604111927-PERM

FDC **6/7997** GEZ IAP SHELBYVILLE MUNI, SHELBYVILLE, IN. VOR RWY 19, AMDT 1... CHART: APT ELEV 803. CIRCLING CAT A HAA 437, CAT B HAA 457, CAT C MDA 1320/HAA 517, CAT D HAA 677. CHART NOTE: CIRCLING TO RWYS 9 AND 27 NA. DELETE DESCENT ANGLE 3.15/TCH 45. CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES. DELETE PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS VOR RWY 19, AMDT 1A. 1603212027-PERM

FDC **6/8827** FSD IAP JOE FOSS FIELD, SIOUX FALLS, SD. RNAV (GPS) RWY 27, ORIG-C... DELETE THRE 1422. CHART TDZE 1424. LNAV HAT 536 ALL CATS. THIS IS RNAV (GPS) RWY 27, ORIG-D. 1604131718-PERM

FDC **6/8828** FSD IAP JOE FOSS FIELD, SIOUX FALLS, SD. RNAV (GPS) RWY 9, ORIG-C... DELETE THRE 1423, CHART TDZE 1424. LNAV HAT 456 ALL CATS. THIS IS RNAV (GPS) RWY 9, ORIG-D. 1604131718-PERM

FDC **6/8829** T23 IAP ALBANY MUNI, ALBANY, TX. RNAV (GPS) RWY 17, AMDT 1... DELETE NOTE: RWY 17 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 17 NA. DELETE THRE 1386. CHART TDZE 1414. LPV DA 1727 ALL CATS. LNAV/VNAV DA 1872 ALL CATS. LNAV HAT 446 ALL CATS. THIS IS RNAV (GPS) RWY 17, AMDT 1A. 1604131722-PERM

FDC **6/8830** T23 IAP ALBANY MUNI, ALBANY, TX. RNAV (GPS) RWY 35, AMDT 1... DELETE NOTE: RWY 35 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 35 NA. DELETE THRE 1412. CHART TDZE 1415. LPV DA 1728 ALL CATS. LNAV/VNAV DA 1728 ALL CATS. LNAV HAT 385 ALL CATS. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1604131722-PERM

FDC **6/8831** MKN IAP COMANCHE COUNTY-CITY, COMANCHE, TX. RNAV (GPS) RWY 17, AMDT 1... DELETE NOTE: CIRCLING TO RWY 35 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 35 NA. DELETE THRE 1386. CHART TDZE 1387. LPV DA 1637 ALL CATS. LNAV/VNAV DA 1686 ALL CATS. LNAV HAT 373 ALL CATS. THIS IS RNAV (GPS) RWY 17, AMDT 1A. 1604131724-PERM

FDC **6/8832** BJI IAP BEMIDJI RGNL, BEMIDJI, MN. RNAV (GPS) RWY 13, AMDT 1... DELETE THRE 1391. CHART TDZE 1391. THIS IS RNAV (GPS) RWY 13, AMDT 1A. 1604131726-PERM

FDC **6/8833** BJI IAP BEMIDJI RGNL, BEMIDJI, MN. VOR/DME RWY 13, AMDT 1... DELETE THRE 1391. CHART TDZE 1391. THIS IS VOR/DME RWY 13, AMDT 1A. 1604131726-PERM

FDC **6/8834** MSL IAP NORTHWEST ALABAMA RGNL, MUSCLE SHOALS, AL. ILS Z OR LOC/DME Z RWY 29, AMDT 6... S-ILS 29 DA 751 ALL CATS. S-LOC 29 HAT 369 ALL CATS. CHART TDZE 551 DELETE THRE 550. THIS IS ILS Z OR LOC/DME Z RWY 29, AMDT 6A. 1605041548-PERM

FDC **6/8836** MSL IAP NORTHWEST ALABAMA RGNL, MUSCLE SHOALS, AL. ILS Y OR LOC/DME Y RWY 29, ORIG... S-ILS 29 DA 751 ALL CATS. S-LOC 29 HAT 369 ALL CATS. CHART TDZE 551 DELETE THRE 550. THIS IS ILS Y OR LOC/DME Y RWY 29, ORIG-A. 1605041548-PERM

FDC **6/8837** MSL IAP NORTHWEST ALABAMA RGNL, MUSCLE SHOALS, AL. RNAV (GPS) RWY 29, AMDT 2... LPV DA 751 ALL CATS. LNAV/VNAV DA 962 ALL CATS. LNAV HAT 389 ALL CATS. CHART TDZE 551 DELETE THRE 550. THIS IS RNAV (GPS) RWY 29, AMDT 2A. 1605041548-PERM

FDC **6/8838** MSL IAP NORTHWEST ALABAMA RGNL, MUSCLE SHOALS, AL. RNAV (GPS) RWY 11, AMDT 2... LPV DA 851 ALL CATS. LNAV/VNAV DA 942 ALL CATS. LNAV HAT 376 ALL CATS. CHART TDZE 544 DELETE THRE 542. THIS IS RNAV (GPS) RWY 11, AMDT 2A. 1605041548-PERM

FDC **6/8839** MSL IAP NORTHWEST ALABAMA RGNL, MUSCLE SHOALS, AL. RNAV (GPS) RWY 18, AMDT 1... LPV DA 797 ALL CATS. LNAV/VNAV DA 982 ALL CATS. LNAV HAT 413 ALL CATS. CHART TDZE 547 DELETE THRE 539. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1605041548-PERM

FDC **6/8841** MSL IAP NORTHWEST ALABAMA RGNL, MUSCLE SHOALS, AL. RNAV (GPS) RWY 36, AMDT 1... LPV DA 797 ALL CATS. LNAV/VNAV DA 935 ALL CATS. LNAV HAT 413 ALL CATS. CHART TDZE 547 DELETE THRE 541. THIS IS RNAV (GPS) RWY 36, AMDT 1A. 1605041548-PERM

FDC **6/9693** RAW IAP WARSAW MUNI, WARSAW, MO. RNAV (GPS) RWY 18, ORIG... DELETE THRE 933. CHART TDZE 936. LP HAT 384 ALL CATS. LNAV HAT 424 ALL CATS. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1604141914-PERM

FDC **6/9694** RAW IAP WARSAW MUNI, WARSAW, MO. RNAV (GPS) RWY 36, ORIG... DELETE THRE 929. CHART TDZE 936. LPV DA 1136 ALL CATS. LNAV/VNAV DA 1215 ALL CATS. LNAV HAT 404 ALL CATS. THIS IS RNAV (GPS) RWY 36, ORIG-A. 1604141914-PERM

FDC **6/9746** 3I7 IAP PHILLIPSBURG, PHILLIPSBURG, OH. VOR OR GPS RWY 21, AMDT 3... CHART NOTE: NIGHT LANDING: RWY 3 NA. THIS IS VOR OR GPS RWY 21, AMDT 3A. 1604141929-PERM

FDC **6/9929** O47 IAP PRAGUE MUNI, PRAGUE, OK. RNAV (GPS) RWY 17, ORIG... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE THRE 1041. CHART TDZE 1041. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1604151148-PERM

FDC **6/9932** PNS IAP PENSACOLA INTL, PENSACOLA, FL. RNAV (GPS) RWY 8, AMDT 2B... LPV VISIBILITY ALL CATS 3/4. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 43C (109F). CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F). CHART VDP AT 1.28 TO RW08* *LNAV ONLY. THIS IS RNAV (GPS) RWY 8, AMDT 2C. 1603251736-PERM

FDC **6/9933** PNS IAP PENSACOLA INTL, PENSACOLA, FL. RNAV (GPS) RWY 26, AMDT 2B... DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 43C (109F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F). THIS IS RNAV (GPS) RWY 26, AMDT 2C. 1603251736-PERM

FDC **6/9934** PNS IAP PENSACOLA INTL, PENSACOLA, FL. RNAV (GPS) RWY 35, AMDT 2B... DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 43C (109F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F). THIS IS RNAV (GPS) RWY 35, AMDT 2C. 1603251736-PERM