

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

<u>AIRPORT ID</u> D55	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> LANGDON	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 1608	<u>TDZE</u> 1608	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/15/2023	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 223/30 CW 043/30	NOPT	HAVIR	IF/IAF	4000
2. 043/30 CW 133/30		SERUW	IAF	4000
3. 133/30 CW 223/30		GAKBE	IAF	4000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GFK VOR/DME		GAKBE		TF	FB	1.00	312.09	55.71	4000
SERUW	IAF	HAVIR	NOPT	TF	FB	1.00	042.80	5.00	4000
GAKBE	IAF	HAVIR	NOPT	TF	FB	1.00	222.94	5.00	4000
HAVIR	IF/IAF	EHLEL		TF	FB	1.00	312.87	6.07	3500
EHLEL	FAF	RW32	MAP	TF	FO	0.30	312.80	5.72	
RW32	MAP	1858 MSL		CA			312.80		
1858 MSL		MEKSE		DF	FB	1.00			
MEKSE		JAKTI		TF	FB	1.00	222.59	10.95	
JAKTI		CIDVA		TF	FO	1.00	132.43	11.22	4000

QUALITY
16
CHECKED

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT MEKSE AND ON 222.59 TRACK TO JAKTI AND ON 132.43 TRACK TO CIDVA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SE HAVIR, RT, 312.87 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	312.80	FAF: EHLEL	DIST FAF TO MAP: 5.72		DIST FAF TO THLD: 5.72
4. MIN ALT:	HAVIR 4000, EHLEL 3500				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.66	GS ANT:
6. MIN GP INCPT:	3500	GP ALT AT PFAF :	EHLEL 3500	OM:	MM:
7. GP ANGLE:	3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 40.0	IM:
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 8 AND 26.
CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA WHEN USING DEVILS LAKE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEVILS LAKE ALTIMETER SETTING AND INCREASE LPV DA TO 1983 FEET; INCREASE LNAV/VNAV DA TO 2284 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 140 FEET AND LNAV VISIBILITY CAT A/C 1/2 SM, AND CIRCLING VISIBILITY CAT A/C 1/2 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 140.00 INBOUND.
CHART FAS OBST: 2059 WINDMILL (38-020167) 484056N/0981915W.
WAAS CHANNEL # 50515
REFERENCE PATH ID: W32A
LTP HAE: 465.7 M



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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1858	1	250	1858	1	250	1858	1	250		NA				
LNAV/VNAV DA	2159	1 5/8	551	2159	1 5/8	551	2159	1 5/8	551		NA				
LNAV MDA	2360	1	752	2360	1 1/4	752	2360	2	752		NA				
CIRCLING	2360	1	752	2360	1 1/4	752	2360	2 1/4	752		NA				

CHANGES - REASONS

1. INCORPORATED P-NOTAM ORIG-A
2. TERMINAL ROUTES: REMOVED DVL VOR/DME TO SERUW - DVL VORMON
3. TERMINAL ROUTES: CHANGED RNP GFK VOR/DME TO GAKBE FROM "2.00" HAVIR TO EHLEL FROM "0.50" TO "1.00" - 8260.58B TABLE 1-2-1.
4. TERMINAL ROUTES: ADDED CA LEG 1858 MSL TO MEKSE - REQUIRED FOR CODING RNAV PROCEDURES, 8260.58B 3-5-2.
5. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 4000 DIRECT MEKSE AND VIA TRACK 222.59 TO JAKTI AND VIA TRACK 132.43 TO CIDVA AND HOLD." TO "CLIMB TO 4000 DIRECT MEKSE AND ON 222.59 TRACK TO JAKTI AND ON 132.43 TRACK TO CIDVA AND HOLD." - 8260.19I 8-6-6 D(11)
6. PROFILE LINE 6: ADDED "GP ALT AT PFAF: EHLEL 3500" - 8260.19I 8-6-7.F.
7. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - 8260.19I 8-6-7.G (3).
8. NOTES: CHANGED CHART NOTE: FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEVILS LAKE ALTIMETER SETTING AND INCREASE LPV DA TO 1983 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 2284 FEET AND ALL VISIVILITIES 1/4 SM. INCREASE ALL MDAS 140 FEET AND VISIBILITY CAT A/C 1/2 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEVILS LAKE ALTIMETER SETTING AND INCREASE LPV DA TO 1983 FEET; INCREASE LNAV/VNAV DA TO 2284 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 140 FEET AND LNAV VISIBILITY CAT A/C 1/2 SM, AND CIRCLING VISIBILITY CAT A/C 1/2 SM." - 8260.19I 8-6-11.
9. ALTERNATE: CHANGED FROM "STANDARD" TO "STANDARD - CAT C 800-2 1/4" - 8260.3E, TABLE 3-3-1.
10. CHANGED VIS LNAV CAT C FROM "2 1/4" TO "2" - 8260.3E, TABLE 3-3-1

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP ARTCC

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

DEVELOPED BY

ERIC N SUSKI (COLE NESBITT)

APPROVED BY

ERIC N SUSKI

OFFICE

OFFICE

AJV-A431

OFFICE

AJV-A431

DATE

DATE

03/03/2023

DATE

Digitally signed by

ERIC N SUSKI

May 23, 2023

Digitally signed by

ERIC N SUSKI

May 23, 2023

Digitally signed by

ERIC N SUSKI

May 23, 2023

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	D55
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	484455.4665N
LTP/FTP LONGITUDE	0982323.0245W
LTP/FTP ELLIPSOIDAL HEIGHT	+04657
FPAP LATITUDE	484603.3900N
FPAP LONGITUDE	0982450.0800W
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	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	77B9E32A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04902
FPAP ORTHOMETRIC HEIGHT	+04902

