

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>		<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW32  <b>CLIMB TO 4000 DIRECT MEKSE AND VIA TRACK 222.59 TO JAKTI AND VIA TRACK 132.43 TO CIDVA AND HOLD.</b>  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 140.00 INBOUND. CHART FAS OBST: 1825 TOWER 484451N/0962200W CHART FAS OBST: 2038 WINDMILL 484050N/0981930W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 50515 REFERENCE PATH ID: W32A	
DVL VOR/DME	SERUW (FB)	036.57 / 35.76	4000		
GFK VOR/DME	GAKBE (FB)	312.09 / 55.71	4000		
SERUW (IAF)	HAVIR (NOPT) (FB)	042.80 / 5.00	4000		
GAKBE (IAF)	HAVIR (NOPT) (FB)	222.94 / 5.00	4000		
HAVIR (IF/IAF)	EHLEL (FB)	312.87 / 6.07	3500		
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD SE HAVIR, RT, 312.87 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>312.80</u> FAF: <u>EHLEL</u> DIST FAF TO MAP: <u>5.72</u> THLD: <u>5.72</u> 4. MIN. ALT: <u>HAVIR 4000, EHLEL 3500</u> 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>      </u> GS ALT AT: <u>      </u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>      </u>					
				MAG VAR: 7E EPOCH YEAR: 1985	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A
CATEGORY =====>	STANDARD @				
	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	1858	1	250	1858	1
LNAV/VNAV DA	2159	2	551	2159	2
LNAV MDA	2340	1	732	2340	2
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
CIRCLING	2340	1	732	2340	2
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
	2340	1	732	2340	2
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING DEVILS LAKE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10					
CITY AND STATE		ELEVATION: 1608 TDZE: 1608		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
LANGDON, ND		AIRPORT NAME:		RNAV (GPS) RWY 32, ORIG	
		ROBERTSON FIELD		03 JUN 2010	
		FACILITY IDENTIFIER:		SUP:	
		RNAV		AMDT: NONE	
				DATED	

## US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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## NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DEVILS LAKE ALTIMETER

SETTING AND INCREASE ALL DA 122 FEET AND ALL MDA 140 FEET, INCREASE LPV ALL CATS, LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE AND LNAV/VNAV ALL CATS, LNAV AND CIRCLING CAT C VISIBILITY 1/2 MILE.

## TAA

	FROM	TO	ALT
1.	223/30 CW 043/30 (NOPT)	HAVIR (IF/IAF) (FB)	4000
2.	043/30 CW 133/30	SERUW (IAF) (FB)	4000
3.	133/30 CW 223/30	GAKBE (IAF) (FB)	4000

CITY AND STATE

LANGDON, ND

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	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

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP D55 K3FR32	ADVL	010DVL	K3D 0V	IF						18000		A JS	
SUSAP D55 K3FR32	ADVL	020SERUWK3EA0E	A 020TF			03660358		+ 04000				A JS	
SUSAP D55 K3FR32	ADVL	030HAVIRK3EA0EE	010TF			04280050		+ 04000				A JS	
SUSAP D55 K3FR32	AGFK	010GFK	K3D 0V	IF						18000		A JS	
SUSAP D55 K3FR32	AGFK	020GAKBEK3EA0E	A 020TF			31210557		+ 04000				A JS	
SUSAP D55 K3FR32	AGFK	030HAVIRK3EA0EE	010TF			22290050		+ 04000				A JS	
SUSAP D55 K3FR32	AHAVIR	010HAVIRK3EA0EE	AR HF			31290040		+ 04000		18000		A JS	
SUSAP D55 K3FR32	R	010HAVIRK3EA0E	I IF					+ 04000		18000		A JS	
SUSAP D55 K3FR32	R	020EHLK3EA1E	F 051TF			31290061		+ 03500				A JS	
SUSAP D55 K3FR32	R	020EHLK3EA2WALFV			ALNAV/VNAV ALNAV							JS	
SUSAP D55 K3FR32	R	030RW32	K3PGOGY M 031TF			31280057		01648		-300		A JS	
SUSAP D55 K3FR32	R	040MEKSEK3EA0E	M 010DF									A JS	
SUSAP D55 K3FR32	R	050JAKTIK3EA0E	L010TFY			2226						A JS	
SUSAP D55 K3FR32	R	060CIDVAK3EA0EY	L010TFY			1324		+ 04000				A JS	

QUALITY  
CHECKED

CITY AND STATE  LANGDON, ND	ELEVATION: 1608 TDZE: 1608  AIRPORT NAME:  ROBERTSON FIELD	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 32, ORIG  03 JUN 2010	SUP:
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14000040 \* 04000

A JS

SUSAP D55 K3GRW32 0036003127 N48445547W098232302-0200 +0465701608000040060R

SUSAP D55 K3PR32 RW32 001 0000W32A0N4844554665W09823230245+046570300N4846033900W09824500800106751565000400F40050077B9E32A  
SUSAP D55 K3PR32 RW32 002E +04902+04902LPV 50515

QUALITY  
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SUP:	
AMDT:	NONE
DATED:	

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DVL	DVL	010		IF		FB				
	DVL	SERUW	020	IAP	TF		FB	2.0	036.6 (044T)	035.8	04000
	DVL	HAVIR	030		TF		FB	1.0	042.8 (050T)	005.0	04000
	GFK	GFK	010		IF		FB				
	GFK	GAKBE	020	IAP	TF		FB	2.0	312.1 (319T)	055.7	04000
	GFK	HAVIR	030		TF		FB	1.0	222.9 (230T)	005.0	04000
	HAVIR	HAVIR	010	IAP	HF	R	FO		312.9 (320T)	004.0	04000
		HAVIR	010	PACF	IF		FB				04000
		EHLEL	020	FAF	TF		FB	0.5	312.9 (320T)	006.1	03500
		RW32	030	MAP	TF		FO	0.3	312.8 (320T)	005.7	01648

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MEKSE	040		DF		FB	1.0			
	JAKTI	050		TF		FB	1.0	222.6 (230T)		
	CIDVA	060		TF		FO	1.0	132.4 (139T)		04000
	CIDVA	070		HM	R	FO	2.0	140.6 (147T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DVL	N480654.78	W0985445.03	N4806.913	W09854.751
	GFK	N475717.40	W0971107.33	N4757.290	W09711.122
	CIDVA	N483804.22	W0983616.40	N4838.070	W09836.273
	EHLEL	N484033.52	W0981748.10	N4840.559	W09817.802
	GAKBE	N483909.62	W0980609.21	N4839.144	W09806.137
	HAVIR	N483555.55	W0981154.14	N4835.926	W09811.902
	JAKTI	N484635.78	W0984716.51	N4846.596	W09847.275
	MEKSE	N485341.99	W0983440.28	N4853.700	W09834.671
	SERUW	N483242.19	W0981739.34	N4832.703	W09817.656
	RW32	N484455.47	W0982323.02	N4844.925	W09823.384

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW32	01608		40

QUALITY  
CHECKED

CITY AND STATE  
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RNAV

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