

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ZUMPI (IAF)	MULEE (NOPT) (FB)	266.58 / 6.00	3500	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3500 DIRECT KOBME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.47 INBOUND. CHART FAS OBST: 999 TREE 465636N/0964813W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. WAAS CHANNEL # 40006 REFERENCE PATH ID: W18A
IBORE (IAF)	MULEE (NOPT) (FB)	086.36 / 6.00	3500	
MULEE (IF/IAF)	ROTOE (FB)	176.47 / 6.50	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N MULEE, RT, 176.47 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
- FAC: 176.47 FAF: ROTOE DIST FAF TO MAP: 5.11 THLD: 5.11
- MIN. ALT: MULEE 3500, ROTOE 2600, CINUX/1.30 NM TO RW18 1360*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: ROTOE 2600 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 51.4 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 4E

EPOCH YEAR: 2005

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1100	2400	200	1100	2400	200	1100	2400	200	1100	2400	200	1100	2400	200	
LNAV/VNAV DA	1272	4000	372	1272	4000	372	1272	4000	372	1272	4000	372	1272	4000	372	
LNAV MDA	1260	2400	360	1260	2400	360	1260	2400	360	1260	5000	360	1260	5000	360	
CIRCLING	1380	1	478	1380	1	478	1380	1 1/2	478	1500	2	598	1560	2 1/4	658	

NOTES:

CHART NOTE: FOR INOPERATIVE MALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000 AND LNAV/VNAV CAT E AND LNAV CAT D AND E TO RVR 6000.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).

CHART NOTE: DME/DME RNP-0.3 NA.

SEE 8260-10

@ CAT E 800-2 1/4

QUALITY
CHECKED

CITY AND STATE FARGO, ND	ELEVATION: 902 TDZE: 900 AIRPORT NAME: HECTOR INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 08 APR 2010	SUP: AMDT: ORIG DATED 01/20/2005
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NOTES CONT.

CHART PROFILE NOTE: VGS/ AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

TAA

	FROM	TO	ALT
1.	086/30 CW 136/30 (NOPT)	086/15 CW 136/15	4200
	086/15 CW 136/15	MULEE (IF/IAF) (FB)	3500
	136/30 CW 267/30 (NOPT)	MULEE (IF/IAF) (FB)	3500
2.	267/30 CW 356/30	ZUMPI (IAF) (FB)	3500
3.	356/30 CW 086/30	IBORE (IAF) (FB)	3500

QUALITY
5
CHECKED

CITY AND STATE

FARGO, ND

ELEVATION: 902 TDZE: 900

AIRPORT NAME:

HECTOR INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

08 APR 2010

SUP:

AMDT: ORIG

DATED: 01/20/2005

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFAR
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	465558.3245N
LTP/FTP LONGITUDE	0964857.9845W
LTP/FTP ELLIPSOIDAL HEIGHT	+02479
FPAP LATITUDE	465429.2800N
FPAP LONGITUDE	0964859.0500W
THRESHOLD CROSSING HEIGHT (TCH)	00051.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

ECE279F2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02742
FPAP ORTHOMETRIC HEIGHT	+02742

QUALITY
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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFARK3FR18	AIBORE	010IBOREK3EA0E	A	IF					18000		A	JS
SUSAP	KFARK3FR18	AIBORE	020MULEEK3EA0EE	B	010TF		08640060	+	03500			A	JS
SUSAP	KFARK3FR18	AMULEE	010MULEEK3EA0EE	AR	HF		17650080	+	03500	18000		A	JS
SUSAP	KFARK3FR18	AZUMPI	010ZUMPIK3EA0E	A	IF					18000		A	JS
SUSAP	KFARK3FR18	AZUMPI	020MULEEK3EA0EE	B	010TF		26660060	+	03500			A	JS
SUSAP	KFARK3FR18	R	010MULEEK3EA0E	I	IF			+	03500	18000		A	JS
SUSAP	KFARK3FR18	R	020ROTOEK3EA1E	F	051TF		17650065	+	02600			A	JS
SUSAP	KFARK3FR18	R	020ROTOEK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KFARK3FR18	R	021CINUXK3EA0E	S	031TF		17650038	V	0136001366		-300	A	JS
SUSAP	KFARK3FR18	R	030RW18 K3PGOGY	M	031TF		17650013		00951		-300	A	JS
SUSAP	KFARK3FR18	R	040	0	M 010CA		1765	+	01100			A	JS
SUSAP	KFARK3FR18	R	050KOBMEK3EA0EY	010DF				+	03500			A	JS
SUSAP	KFARK3FR18	R	060KOBMEK3EA0EE	R020HM			35650080	+	03500			A	JS

QUALITY
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QUALITY
6
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