

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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: RW12  CLIMB TO 5000 DIRECT EKOYU AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 305.55 INBOUND. CHART FAS OBST: 2889 SIGN 465551N/1040038W 3040 AAO 465920N/1040438W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.12 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL # 61338 REFERENCE PATH ID: W12A CHART CIRCLING ICON. LTP HAE: 824 M							
EKENE (IF/IAF)		CADOM (FB)		125.32 / 3.50				4400									
CADOM (FAF)		DEVGE/1.90 NM TO RW12 (FB)		125.36 / 3.14													
DEVGE/1.90 NM TO RW12		RW12 (MAP) (FO)		125.36 / 1.90													
RW12 (MAP)		3006 MSL		125.36				5000									
3006 MSL		EKOYU (FO)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW EKENE, RT, 125.32 INBOUND, 4700 FT. IN LIEU OF PT (IAF) 3. FAC: 125.36 FAF: CADOM DIST FAF TO MAP: 5.04 THLD: 5.04 4. MIN. ALT: EKENE 4700, CADOM 4400, DEVGE/1.90 NM TO RW12 3400* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4400 GS ALT AT: CADOM 4400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____										MAG VAR: 8E		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	3006	1	250	3006	1	250		NA			NA						
LNAV/VNAV DA	3051	1	295	3051	1	295		NA			NA						
LNAV MDA	3140	1	384	3140	1	384		NA			NA						
CIRCLING	3280	1	524	3300	1	544		NA			NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).																	
CITY AND STATE		ELEVATION: 2756 TDZE: 2756				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BEACH, ND		AIRPORT NAME: BEACH						RNAV (GPS) RWY 12, ORIG				AMDT: NONE					
												DATED					



ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div><input checked="" type="checkbox"/> ZLC ARTCC, AMGR.</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
STEVE NELSON <div><i>Digitally signed by STEVEN NELSON</i> Jan 06, 2016</div>				AJV-5422	01/06/2016
APPROVED BY					
NAME:				FIFO	DATE:
GEORGE GONZALEZ MANAGER				AJV-5420	
CHANGES:					
ORIG.					
REASONS:					
AIRPORT REQUEST.					



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.	035/30 CW 215/30 (NOPT)	EKENE (IF/IAF) (FB)	4700
2.	215/30 CW 035/30	EKENE (IF/IAF) (FO)	4900

QUALITY  
25  
CHECKED

CITY AND STATE

BEACH, ND

ELEVATION: 2756

TDZE: 2756

AIRPORT NAME:

BEACH

FACILITY  
IDENTIFIER:  
RNAV

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

SUP:

AMDT: NONE

DATED:

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**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	20U
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	465544.8325N
LTP/FTP LONGITUDE	1035917.3840W
LTP/FTP ELLIPSOIDAL HEIGHT	+08240
FPAP LATITUDE	465443.5960N
FPAP LONGITUDE	1035743.0025W
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	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 94A68EB3

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+08400
FPAP ORTHOMETRIC HEIGHT	+08400

QUALITY  
25  
CHECKED

CITY AND STATE  BEACH, ND	ELEVATION: 2756 AIRPORT NAME:  BEACH	TDZE: 2756  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 12, ORIG	SUP:
				AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**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 - 20U

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
EKENE	010	EKENE	HF	FO		125.3			R			AA 04700		EE A
	010	EKENE	IF	FB								AA 04700		E I
	020	CADOM	TF	FB	1.0	125.3						AA 04400		E F
	021	DEVGE	TF	FB	0.3	125.4		3.00				AA 03400 GS 03401		E S
	030	RW12	TF	FO	0.3	125.4		3.00				AT 02796		GY M
	040		CA	FB		125.4						AA 03006		M
	050	EKOYU	DF	FO								AA 05000		EY
	060	EKOYU	HM	FO		305.6			R			AA 05000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CADOM	N465912.36	W1040437.94
DEVGE	N465703.15	W1040118.23
EKENE	N470136.43	W1040821.11
EKOYU	N464922.96	W1034930.36

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW12	N465544.83	W1035917.38	02756	40

QUALITY  
25  
CHECKED

CITY AND STATE <b>BEACH, ND</b>	ELEVATION: <b>2756</b> <b>TDZE: 2756</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 12, ORIG</b>	SUP:
	AIRPORT NAME: <b>BEACH</b>	<b>RNAV</b>		AMDT: <b>NONE</b>
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/>    AAT<input type="checkbox"/>    ALPA<input type="checkbox"/>    APA<input type="checkbox"/>    AOPA<input type="checkbox"/>    NBAA<input type="checkbox"/>    OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD																			
PART - A OBSTRUCTION DATA																			
1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL	ROC	ALT. ADJUSTMENTS		MIN. ALT.					
STRAIGHT-IN AREA		035/30 CW 215/30		EKENE		1. AAO		465139.00N/1041645.00W		3373 (4D)	1000			4400					
						2. TERRAIN		465139.00N/1041645.00W		3173 (3200)		AS1500		4700					
STRAIGHT-IN AREA		215/30 CW 035/30		EKENE		3. TOWER (30-000372)		464109.00N/1042012.00W		3802 (3C)	1000			4900					
						4. TERRAIN		463021.00N/1041239.00W		3419 (3400)		AS1500		4900					
INTERMEDIATE		EKENE (IF/IAF)		CADOM		5. AAO		465919.73N/1040437.71W		3040 (2C)	500	AT860		4400					
						6. TERRAIN		465919.73N/1040437.71W		2840 (2800)		AS1500		4300					
FINAL: LPV		CADOM		RW12							ASC			3006/250					
FINAL: LNAV/VNAV		CADOM		RW12		7. SIGN (K20UT0280)		465551.40N/1040038.05W		2889 (2C)	142	AC20		3051/295					
FINAL: LNAV		CADOM		DEVGE/1.90 NM TO RW12		8. AAO		465801.29N/1040338.95W		3020 (2C)	250	RA125		3400					
FINAL: LNAV STEPDOWN		DEVGE/1.90 NM TO RW12		RW12		7. SIGN (K20UT0280)		465551.40N/1040038.05W		2889 (2C)	250			3140					
2. HOLD-IN-LIEU-OF-PT		EKENE		P-6		9. TOWER (30-000635)		465950.28N/1041252.94W		3232 (1A)	1000	AT468		4700					
						10. TERRAIN		465909.00N/1041609.00W		2911 (2900)		AS1500		4400					
3. MISSED APPROACH		MAP: DA / DA / RW12		EKOYU							ASC			5000					
		ELEV: 2819/2909/3040				11. TOWER (38-000022)		465237.91N/1035027.20W		3711 (4D)	1000			4800					
						12. TERRAIN		465218.00N/1035009.00W		3419 (3400)		AS1500		4900					
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED 350 450 450 550 550 ACTUAL		524		13. TANK (38-021168)		465544.48N/1040057.93W		2970 (2C)	300	3280					
CATEGORY B		1.5 NM				544		14. TANK (38-021176)		465433.06N/1040024.43W		2995 (2C)	300	3300					
CATEGORY C		1.7 NM																	
CATEGORY D		2.3 NM																	
CATEGORY E		4.5 NM																	
5. MINIMUM SAFE ALTITUDES													PRIMARY NAVAID:						
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
CITY AND STATE				ELEVATION: 2756				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
BEACH, ND				AIRPORT NAME: BEACH				RNAV				RNAV (GPS) RWY 12, ORIG				AGL			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:  TERPS PARAGRAPH 289 APPLIED TO 3040 AAO 465920N/1040438W  2. K20U AWOS ON SERVICE A. CONTINGENCY ALTIMETER RASS PRESSURE PATTERNS THE SAME K20U 2755.9, KGDV 2458.3 RA = 124.95  PRECIPITOUS TERRAIN EVALUATION COMPLETED.  SEE ATTACHED AIRSPACE LETTER.  VGSI DATA: 3.00/25.0.  LPV SLOPE: 34:1 LNAV/VNAV SLOPE: 23.39:1  MODIFIED TAA / VEGETATION 40' PER IFP CHECKLIST. LPV 250 HAT DUE TO NPI-G RWY MARKINGS.  ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.34NM CAT B: 1.91NM  CRITICAL TEMPERATURES CRITICAL LOW    CRITICAL HIGH    ACT    APT ISA    DELTA ISA LOW -20C (-4F)            +54C (130F)    -20C    +9.54C       -29.54C CRITICAL LOW TEMP BASED ON ACT. DESCENT RATE: STANDARD TEMP 736 HIGH TEMP 1163 TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR. AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.  OBS #1 - HORIZONTAL ACCURACY 190'.  GQS PEN FIXED BY FUNCTION. K20UT0232/38-021156 IS A REIL.																													
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																															
GFK FSS ZLC ARTCC						N W S		OTHER: AWOS-3												SOURCE:K20U																			
						F A A														DISTANCE:																			
						A / C														HOURS REMOTE OPERATION:  0																			
SATISFACTORY ON:																				LOCATION: K20U										ADJUSTMENT: 0									
4. MONITOR STATUS		PRIMARY NAVAID:																																					
		MONITOR POINT:																																					
		HRS OPTN:		CAT 1																																			
				CAT 3																																			
5. APPROACH & RUNWAY LIGHTING				ALS																																			
				(S) SALS																																			
				MAL S																																			
				HIRL																																			
		X		MIRL 12 (PCL), 30 (PCL)																																			
				REIL																																			
				TDZ																																			
				C/LINE																																			
		X		OTHER (SPECIFY) PAPI-2L 12 (PCL), 30 (PCL)																																			
6. RUNWAY MARKINGS		BASIC																																					
		ALL WEATHER																																					
		INSTRUMENT        NPI-G 12, 30																																					
7. RUNWAY VISUAL RANGE		APPROACH																																					
		MIDFIELD																																					
		ROLL OUT																																					
8. GLIDE PATH		GP ANGLE: 3.00								ELEV RWY THRESHOLD:2755.9																													
		DISTANCE FROM RWY:								ELEV GP ANTENNA:																													
										THRESHOLD CROSSING HEIGHT:40.0																													
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD														FT. FROM THRESHOLD																			
				X		ON CENTERLINE														FT. FROM CENTERLINE																			
10. WAIVERS: NONE																																							
PART D - PREPARED BY:										DATE:																													
STEVE NELSON										01/06/2016																													
TITLE:										OFFICE:																													
AERONAUTICAL INFORMATION SPECIALIST										AJV-5422																													

