

RNAV

**U.S. DEPARTMENT OF TRANSPORTATION --
FEDERAL AVIATION ADMINISTRATION -- FLIGHT STANDARDS SERVICE
SPECIAL INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE**

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.

When the instrument approach procedure of the above type is conducted at the below named airport, it must be conducted in accordance with a charted instrument approach procedure prodcated on the specifications contained herein and as specified on accompanying FAA 8260-7B (as amended). Minimum altitudes must correspond with those established for en route operation in the particular area or as set forth below. The information on this form is considered public and subject to disclosure under the Freedom of Information Act (FOIA).

SPECIFICATION - NOT FOR COCKPIT USE

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP:
HINOP (IAF)	JUKDI (TF) (FB) (RNP 1.00)	151.72 / 8.00	2000	LPV: DA LNAV/VNAV: DA CLIMB TO 2000 DIRECT ZARSI AND HOLD.
WUBEN (IAF)	JUKDI (TF) (FB) (RNP 1.00)	331.88 / 8.00	2000	
JUKDI (IF)	BEPOW (TF) (FB) (RNP 1.00)	061.80 / 8.00	1600	
(SEE FORM 8260-10)				

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 243.00 INBOUND. CHART FAS OBST: 289 TWR 701930N/1493630W. DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.34 NM TO RW06* *LNAV ONLY. WAAS CHANNEL # 50227 REFERENCE PATH ID: W06A CHART: CIRCLING ICON MAG VAR: 16E EPOCH YEAR: 2020
2.	HOLD SW JUKDI, RT, 061.80 INBOUND, 2000 FT. IN LIEU OF PT (IAF)					
3. FAC:	062.16	FAF: BEPOW	DIST FAF TO MAP:		4.67 THLD: 4.67	
4. MIN. ALT:	JUKDI 2000, BEPOW 1600					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	100 HAT:	GS ANT:	
6. MIN GS INCPT:	1600	GS ALT AT: BEPOW 1600	OM:	MM:	IM:	
7. GS ANGLE:	3.00	TCH: 46.4	34:1 IS CLEAR			
8. MSA FROM:						

MINIMUMS

TAKEOFF: SEE FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	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
LPV DA	272	1800	200	272	1800	200	272	1800	200	272	1800	200			
LNAV/VNAV DA	455	4500	383	455	4500	383	455	4500	383	455	4500	383			
LNAV MDA	540	2400	468	540	2400	468	540	5000	468	540	5000	468			
CIRCLING	600	1	525	600	1	525	600	1 1/2	525	640	2	565			

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: ACTIVATE MALSR RWY 06, HIRLS RWY 06-24 - 122.80.

CHART NOTE: USE OF UGNU-KUPARUK REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.

CITY AND STATE KUPARUK, AK	ELEVATION: 75 TDZE: 72 AIRPORT NAME: UGNU-KUPARUK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 3	SUP:
				AMDT: 2
				DATED: 04/30/2015

QUALITY
5
CHECKED

ADDITIONAL FLIGHT DATA/NOTES CONTINUED:

ADDITIONAL FLIGHT DATA, (CONT.):
LTP HAE: 15.7 M

SUBMITTED BY		
NAME:	OFFICE	DATE:
FLIGHT CHECKED BY		
NAME:	OFFICE	DATE:
DEVELOPED BY		
NAME:	OFFICE	DATE:
CHRIS O'BRIEN	AJV-5432	11/01/2017
RECOMMENDED BY		
NAME:	OFFICE	DATE:
PATRICK J. MULQUEEN	AJV-5430	
APPROVED BY		
NAME:		DATE:

- CHANGES:
- 1. DELETED TERMINAL ROUTE (SCC VOR/DME - NEPEY).
 - 2. DELETED TERMINAL ROUTE (ARCON - NEPEY).
 - 3. DELETED TERMINAL ROUTE (ZADRO - NEPEY).
 - 4. ADDED TAA
 - 5. INTERMEDIATE SEGMENT CHANGED FROM 055.93/5.11 TO 061.80/8.00.
 - 6. FAC CHANGED FROM 056.16/4.67 TO 062.16/4.67.
 - 7. REMOVED MSA.
 - 8. LINE 2 "HOLD SW NEPEY, RT 055.93 INBOUND" CHANGED TO "HOLD SW JUKDI, RT, 061.80 INBOUND"
 - 9. ADDITIONAL FLT DATA "HOLD NE, RT,236.86 INBOUND" CHANGED TO "HOLD NE, RT, 243.00 INBOUND."
 - 10. ADDITIONAL FLT DATA "CHART: WAAS SYMBOL" REMOVED.
 - 11. LPV VISIBILITY CHANGED FROM 2400 TO 1800 ALL CATS.

(SEE FORM 8260-10)

- REASONS:
- 1, 2, 3. NOT REQUIRED FOR TAA.
 - 4. AS REQUESTED.
 - 5, 6. AIRPORT MAGVAR UPDATED TO 2020 VALUE (OLD/22E, NEW/16E).
 - 7. MSA NOT REQUIRED WHEN TAA IN USE.
 - 8. HOLD IN LIEU CHANGED FROM NEPEY TO JUKDI, AND AIRPORT MAGVAR UPDATED.
 - 9. MISSED APCH CLEARANCE LIMIT/HOLDING CHANGED FROM DOHEB /236.86 INBOUND TO ZARSI /243.00 INBOUND.
 - 10. NOT REQUIRED: REF WAAS COVERAGE CHARTS.
 - 11. FAA MEMO 253 DATED 06/29/2017 APPLIED.



**SPECIAL INSTRUMENT APPROACH PROCEDURE --
FLIGHT STANDARDS SERVICE**

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
BEPOW (FAF)	RW06 (MAP) (TF) (FO) (RNP 0.30)	062.16 / 4.67	
RW06 (MAP)	272 MSL (CA)	062.16	
272 MSL	ZARSI (DF) (FO) (RNP 1.00)		2000

MISSED APPROACH INSTRUCTIONS, (CONT.):

LNAV: RW06

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	332/30 CW 152/30 (NOPT)	332/20 CW 152/20	2100
	332/20 CW 152/20	JUKDI (IF/IAF) (FB)	2000
2.	152/30 CW 242/30	HINOP (IAF) (FB)	2000
3.	242/30 CW 332/30	WUBEN (IAF) (FB)	2000

QUALITY
5
CHECKED

CITY AND STATE

KUPARUK, AK

ELEVATION: 75

TDZE: 72

AIRPORT NAME:

UGNU-KUPARUK

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 3

SUP:

AMDT: 2

DATED: 04/30/2015

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>
NBA <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: CHANGES CONT.					
FAS DATA BLOCK INFORMATION: 1. FPAP LATITUDE CHANGED FROM 702001.8100N TO 702001.8010N. 2. FPAP LONGITUDE CHANGED FROM 1493308.6300W TO 1493308.6255W. 3. CRC REMAINDER CHANGED FROM 8FF48B4A TO 06E1958A.					
REASONS:					



**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	PAKU
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	701943.9650N
LTP/FTP LONGITUDE	1493726.7105W
LTP/FTP ELLIPSOIDAL HEIGHT	+00157
FPAP LATITUDE	702001.8010N
FPAP LONGITUDE	1493308.6255W
THRESHOLD CROSSING HEIGHT (TCH)	00046.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0752
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 06E1958A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00204
FPAP ORTHOMETRIC HEIGHT	+00204

QUALITY
5
CHECKED

CITY AND STATE KUPARUK, AK	ELEVATION: 75 TDZE: 72 AIRPORT NAME: UGNU-KUPARUK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 3	SUP:
				AMDT: 2
				DATED: 04/30/2015

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> <div></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	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	332/30 CW 152/30	332/20 CW 152/20	1. AAO	694742.00N/1503300.00W	834 (4E)	1000	AT166	2000			
			2. TERRAIN	694742.00N/1503300.00W	634 (600)		AS1500	2100			
STRAIGHT-IN AREA	332/20 CW 152/20	JUKDI	3. AAO	695600.00N/1502118.00W	716 (4E)	1000	AT284	2000			
			4. TERRAIN	695600.00N/1502118.00W	516 (500)		AS1500	2000			
LEFT BASE AREA	152/30 CW 242/30	HINOP	5. AAO	701357.00N/1500157.00W	351 (4F)	1000	AC214 AT435	2000			
			6. TERRAIN	701357.00N/1500157.00W	151 (200)		AS1500	1700			
RIGHT BASE AREA	242/30 CW 332/30	WUBEN	7. AAO	695121.00N/1500942.00W	748 (4E)	1000	AT252	2000			
			8. TERRAIN	695121.00N/1500942.00W	548 (500)		AS1500	2000			
INITIAL	HINOP	JUKDI	9. AAO	701509.00N/1501424.00W	332 (4F)	1000	AC214 AT454	2000			
			10. TERRAIN	701509.00N/1501424.00W	132 (100)		AS1500	1600			
INITIAL	WUBEN	JUKDI	11. AAO	700848.00N/1500251.00W	374 (4F)	1000	AC214 AT412	2000			
			12. TERRAIN	700848.00N/1500251.00W	174 (200)		AS1500	1700			
INTERMEDIATE	JUKDI	BEPOW	13. AAO	701327.00N/1500233.00W	351 (4F)	500	AC214 AT535	1600			
			14. TERRAIN	701327.00N/1500233.00W	151 (200)		AS1000	1200			
2. HOLD-IN-LIEU-OF-PT	JUKDI	P-4	16. AAO	701300.00N/1500824.00W	348 (4F)	1000	AC214 AT438	2000			
			17. TERRAIN	701300.00N/1500824.00W	148 (100)		AS1500	1600			
3. MISSED APPROACH	MAP: DA / DA / RW06	ZARSI				ASC		2000			
	ELEV: 102/289/440		15. TWR (02-000442)	701930.07N/1493630.40W	289 (1A)	1000		1300			
			18. TERRAIN	701930.00N/1493645.00W	109 (100)		AS1500	1600			
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.									
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	525	15. TWR (02-000442)	701930.07N/1493630.40W	289 (1A)	300		600
CATEGORY B	1.5 NM		450		525	15. TWR (02-000442)	701930.07N/1493630.40W	289 (1A)	300		600
CATEGORY C	1.7 NM		450		525	15. TWR (02-000442)	701930.07N/1493630.40W	289 (1A)	300		600
CATEGORY D	2.3 NM		550		565	15. TWR (02-000442)	701930.07N/1493630.40W	289 (1A)	300	HA40	640
CATEGORY E	4.5 NM		550								
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: 75		FACILITY		PROCEDURE AND AMENDMENT NO:			REGION			
KUPARUK, AK	AIRPORT NAME: UGNU-KUPARUK		RNAV		RNAV (GPS) RWY 6, AMDT 3			AAL			

 QUALITY
 5
 CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.71NM SEE ATTACHED AIRSPACE LETTER. "VISUAL PORTIONS OF FINAL" PENETRATIONS: FPO NOTIFIED 15 FT VEHICLE USED IN VICINITY OF AIRPORT; 200 AAO APPLIED IN OTHER AREAS. NO ALTERNATE ALTIMETER SOURCE USED, AIRPORT IS MANNED 24/7 BY CONOCO/PHILLIPS WORKER. RW24 PUBWT0138 NOT A 20:1 PENETRATION. ALL ROADS ARE CONTROLLED BY SECURITY PERSONNEL WHO IS ON DUTY ANYTIME THERE ARE FLYING OPERATIONS. ALL ROADS HAVE RAILROAD STYLE GATES AS WELL AS STOP LIGHTS. STANDARD ISA DEVIATION: -40 USED WEATHER HISTORY UNAVAILABLE. LPV SLOPE 34:1. VNAV/LNAV SLOPE: 24.59:1 ORDER 8260.3, VOLUME 1, CHAPTER 3: NEW CIRCLING AREAS APPLIED. CAT A: 1.30 NM CAT B: 1.81 NM CAT C: 2.84 NM CAT D: 3.71 NM PER BRAD RUSH EMAIL DATED 06/22/2011, WAAS LPV200 AVAILABLE 99.6% XP 5 FT TO MAINTAIN CURRENT MINIMA.			
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING							
ZAN ARTCC				N W S	OTHER: CTAF		SOURCE:PAKU						
				F A A			DISTANCE:						
				A / C			HOURS REMOTE OPERATION: 24						
SATISFACTORY ON:			X	U H F		H F	LOCATION: PAKU/PAKU				ADJUSTMENT: 0		
4. MONITOR STATUS	PRIMARY NAVAID:												
	MONITOR POINT:												
	HRS OPTN:	CAT 1											
5. APPROACH & RUNWAY LIGHTING													
6. RUNWAY MARKINGS			BASIC										
			ALL WEATHER PIR-F 06, 24										
			INSTRUMENT										
7. RUNWAY VISUAL RANGE			APPROACH 06, 24										
			MIDFIELD										
			ROLL OUT 06, 24										
8. GLIDE PATH			GP ANGLE: 3.00					ELEV RWY THRESHOLD: 67.0					
			DISTANCE FROM RWY:					ELEV GP ANTENNA:					
								THRESHOLD CROSSING HEIGHT: 46.4					
9. FINAL APPROACH COURSE AIMING													
10. WAIVERS: 1 ORDER 8260.3C, PARAGRAPH 3-3-2D; REDUCED VISIBILITY													
PART D - PREPARED BY: CHRIS O'BRIEN										DATE: 11/01/2017			
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5432			



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD	
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:					N W S	OTHER:		SOURCE:			
					F A A			DISTANCE:			
					A / C			HOURS REMOTE OPERATION:			
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS	CAT 1								
		OPTN:	CAT 3								
5. APPROACH & RUNWAY LIGHTING			ALS								
			(S) SALS								
			MALS								
			HIRL								
			MIRL								
			REIL								
			TDZ								
			C/LINE								
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER									
		INSTRUMENT									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
						THRESHOLD CROSSING HEIGHT:					
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD		
				ON CENTERLINE					FT. FROM CENTERLINE		
10. WAIVERS:											
PART D - PREPARED BY:										DATE:	
TITLE:										OFFICE:	