

**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> PAKK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> KOYUK	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 162	<u>TDZE</u> 162	<u>SUPERSEDED</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 12/31/2020	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JAYQE		MADTP		TF	FB	1.00	256.72	7.57	2700
MADTP	IAF	YECUP	NOPT	TF	FB	1.00	283.23	7.29	2400
MOS VOR/DME	IAF	YECUP	NOPT	TF	FB	1.00	065.85	19.50	2400
YECUP	IF/IAF	ZINIV		TF	FB	1.00	012.80	6.01	1800
ZINIV	FAF	ZUTMU	MAP	TF	FO	0.30	012.89	4.16	
ZUTMU	MAP	562 MSL		CA			012.89		
562 MSL		YECUP		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LP: ZUTMU
LNAV: ZUTMU

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2400 DIRECT YECUP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZAN ARTCC

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by
DONALD H LANIER

Mar 25, 2021

OFFICE

AJV-A431

DATE

12/10/2020

DEVELOPED BY

DONALD H. LANIER (PARNELL PRASSADA)

Digitally signed by
DONALD H LANIER

Mar 25, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER

APPROVED BY

LONNIE EVERHART

Digitally signed by
DONALD H LANIER

Mar 25, 2021



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAKK
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	645608.7610N
LTP/FTP LONGITUDE	1610929.5070W
LTP/FTP ELLIPSOIDAL HEIGHT	+00551
FPAP LATITUDE	645729.9030N
FPAP LONGITUDE	1610804.4025W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1832
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	E37F5DD2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00487
FPAP ORTHOMETRIC HEIGHT	+00487



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INITIAL

FROM
MOS VOR/DME

TO
YECUP

RNP DISTANCE PAT MAP HAT HMAS
 19.50

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	644539.00N/1613148.00W	804	164	98	4E	1000				AT596	2400
TERRAIN	644539.00N/1613148.00W	604 (600)								AS1500	2100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
YECUP (IF/IAF)

TO
ZINIV

RNP DISTANCE PAT MAP HAT HMAS
 6.01

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	644927.00N/1612136.00W	735	164	98	4E	500				AC98	1800
TERRAIN	644927.00N/1612136.00W	535 (500)								AS1000	1500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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FINAL: LP

FROM ZINIV **TO** ZUTMU

RNP **DISTANCE** 4.16 **PAT** **MAP** ZUTMU **HAT** 378 **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	645426.70N/1611204.18W	224	250	50	4D	250				AC50	540

COMPUTATIONS
ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

FINAL: LNAV

FROM ZINIV **TO** ZUTMU

RNP **DISTANCE** 4.16 **PAT** **MAP** ZUTMU **HAT** 498 **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-135362)	645632.19N/1610951.07W	401	20	3	1A	250					660

COMPUTATIONS
ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



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MISSED APPROACH : LNAV

FROM
ZUTMU **TO**
YECUP

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
560

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2400
TREE (02-132403)	645838.14N/1610637.59W	777	20	3	1A	1000					1800
TERRAIN	645838.14N/1610637.59W	747 (747)								AS1000	1700

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (02-257335)	645721.97N/1610832.65W	1.30	498	286	20	3	1A	300		SI	660
CATEGORY B											
TREE (02-133916)	645809.72N/1610655.35W	1.81	738	592	20	3	1A	300			900
CATEGORY C											
TREE (02-132463)	645909.24N/1610614.17W	2.86	1338	897	20	3	1A	300			1500

CIRCLING REMARKS:



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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAN ARTCC, OME FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3P	PAKK	24	PAKK	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3P	PFEL	24	PFEL	34.694	Y	79.87

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME PAKK 162 PFEL 162 RA = 79.9

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	
RW19 - MIRL (PCL), VASI-4R (PCL)			
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	
RW01 - MIRL (PCL), VASI-4L (PCL)		NSTD-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					3.00	24.5

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



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PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

40' KOYUK RIVER BARGES USED PER FPT.

MISSED APPROACH POINT MOVED FROM RUNWAY THRESHOLD TO ZUTMU IN ORDER TO AVOID TERRAIN LOCATED BEYOND THE THRESHOLD, IN THE MISSED APPROACH AREA.

THE VDP IS NOT PUBLISHABLE DUE TO: VDP IS LOCATED WITHIN 0.5 NM FROM FINAL FIX.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELIM ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.
INCREASE LP CAT C VISIBILITY 3/8 SM, INCREASE LNAV CAT C VISIBILITY 1/4 SM AND CIRCLING CAT B VISIBILITY 1/4 SM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.34
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	23.89
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	5.01
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	23.89
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	300

**THRESHOLD
COORDINATES
(IF STR-IN)** 645608.76N/1610929.51W

ARP COORDINATES 645622.30N/1610915.40W

**RUNWAY APCH END
AND DIST FURTHEST
FROM ARP** RUNWAY 1 DISTANCE 0.25 NM

**FAF
COORDINATES** 645134.90N/1611415.55W

**FIX NAME
COORDINATES**

REMARKS
NO ADDITIONAL AIRSPACE REQUIRED



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PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DONALD H. LANIER (PARNELL PRASSADA)	AJV-A431	12/10/2020	AERONAUTICAL INFORMATION SPECIALIST

