

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> POKA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 16	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> TUNUNAK	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 62	<u>TDZE</u> 61	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> CONCURRENT WITH 22-AAL-76	<u>CANCEL/SUSPEND</u>		

**TAA**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 052/30 CW 232/30	NOPT	BOWAY	IF/IAF	2400
2. 232/30 CW 322/30		BRNZZ	IAF	3000
3. 322/30 CW 052/30		ROBWA	IAF	2600

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BRNZZ	IAF	BOWAY	NOPT	TF	FB	1.00	231.93	7.00	2400
ROBWA	IAF	BOWAY	NOPT	TF	FB	1.00	051.57	7.00	2400
BOWAY	IF	AVWAK		TF	FB	1.00	141.75	6.00	1700
AVWAK	FAF	AKKEG	MAP	TF	FO	0.30	139.93	4.55	
AKKEG	MAP	462 MSL		CA			139.93		
462 MSL		JIRIM		DF	FO	1.00			2700

**MISSED APPROACH**

**MAP:**

LNAV: AKKEG

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2700 DIRECT JIRIM AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW BOWAY, RT, 141.75 INBOUND, 2400 FT. IN LIEU OF PT (IF/IAF), MAX 7000.

3. FAC:

139.93

FAF: AVWAK

DIST FAF TO MAP: 4.55

DIST FAF TO THLD: 5.05

4. MIN ALT: BOWAY 2400, AVWAK 1700

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1

IS CLEAR

20:1

IS CLEAR

TCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 16-34.  
CHART NOTE: VDP NA WHEN USING TOKSOOK BAY ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE TOKSOOK BAY ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET.

ADDITIONAL FLIGHT DATA:

AVWAK TO CFFSH 3.00/40.  
HOLD SW, RT, 049.99 INBOUND.  
CHART FAS OBST: 550 TERRAIN (02-220747) 603605N/1651444W.  
CHART VDP AT 1.36 NM TO AKKEG.  
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.  
FICTITIOUS THRESHOLD POINT (CFFSH) DO NOT CHART.  
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 19.85 DEGREES.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT C 1100-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	680	1	619	680	1	619	680	1 3/4	619		NA				
CIRCLING	680	1	618	680	1	618	1120	3	1058		NA				

CHANGES - REASONS

ORIGINAL PROCEDURE: VFR TO IFR AIRPORT.



**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, AMGR, ALASKA AERO

**FLIGHT CHECKED BY**

JORDAN ROLIH

*Digitally signed by*

**ERIC N SUSKI**

Jun 03, 2024

**OFFICE**

FPO

**DATE**

05/28/2024

**DEVELOPED BY**

RICHARD CHRISTENSEN

*Digitally signed by*

**RICHARD E CHRISTENSEN**

Aug 28 2023

**OFFICE**

AJV-A431

**DATE**

06/20/2023

**APPROVED BY**

ERIC N SUSKI

**OFFICE**

AJV-A431

**DATE**

**TITLE**  
MANAGER

*Digitally signed by*

**ERIC N SUSKI**

Sep 07, 2023

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> POKA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 16	<u>AMDT NO.</u> ORIG	<u>CITY</u> TUNUNAK	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 62	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
052/30 CW 232/30

TO  
BOWAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<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	610012.00N/1645942.00W		227	164	98	4E	1000				AT1173	2400
TERRAIN	610903.00N/1650006.00W		26 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM  
232/30 CW 322/30

TO  
BRNZZ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<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	604154.00N/1645736.00W		1680	164	98	4E	1000					2700
TERRAIN	604154.00N/1645736.00W		1479 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM  
322/30 CW 052/30

TO  
ROBWA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	603118.00N/1652136.00W		1309	164	98	4E	1000					2400
TERRAIN	603115.00N/1652142.00W		1108 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM  
BRNZZ

TO  
BOWAY

RNP	DISTANCE 7.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP MAST	604251.99N/1652452.24W		10	50	20	2C	1000				AT1390	2400
TERRAIN	604541.64N/1651958.77W		0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM  
ROBWA

TO  
BOWAY

RNP	DISTANCE 7.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP MAST	604251.99N/1652452.24W		10	50	20	2C	1000				AT1390	2400
TERRAIN	604210.66N/1653217.68W		0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM  
BOWAY

TO  
AVWAK

RNP	DISTANCE 6.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP MAST	604251.99N/1652452.24W		10	50	20	2C	500				AT1190	1700
TERRAIN	604121.23N/1652304.20W		0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

AVWAK

TO

AKKEG

<u>RNP</u>	<u>DISTANCE</u> 4.55	<u>PAT</u>	<u>MAP</u> AKKEG	<u>HAT</u> 619			<u>HMAS</u>					
<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>
TERRAIN (02-220747)	603604.69N/1651443.65W		550	20	3	1A	250				SA-144 XP24	680

COMPUTATIONS

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

XP24: FPT REQUEST MDA AT THIS TIME

HOLD-IN-LIEU OF PT

FROM

BOWAY

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<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	604356.29N/1652608.56W	200	164	98	4E	1000				AT1200	2400
TERRAIN	604356.29N/1652608.56W	0 (0)								AS1500	1500

COMPUTATIONS

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



MISSED APPROACH : LNAV

FROM  
AKKEG

TO  
JIRIM

RNP	DISTANCE	PAT	MAP	HAT			HMAS 580					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2400
AAO	603024.00N/1651324.00W		811	164	98	4E	1000					1900
TERRAIN	603024.00N/1651324.00W		610 (600)								AS1500	2100

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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	603241.95N/1651515.04W	1.30	618	129	50	20	2C	300		SI	680
CATEGORY B											
TERRAIN (02-220592)	603606.48N/1651501.43W	1.81	618	285	20	3	1A	300		SI	680
CATEGORY C											
TREE	603403.25N/1652028.94W	2.84	1058	709	50	20	2C	300		XP109	1120

CIRCLING REMARKS:

XP109: FPT REQUESTS CMDA AT THIS TIME.

CENTER

RADIUS

REMARKS:





NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZAN ARTCC, KENAI FSS

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> POKA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> POKA	<u>DISTANCE</u> 0.08	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3P	<u>LOCATION</u> PAOO	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PAOO	<u>DISTANCE</u> 5.07	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 14

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
POKA 62, PAOO 48  
RA = 13.7.

<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>	<u>RUNWAY VISUAL RANGE</u>
RW16 - MIRL			
RW34 - MIRL			

<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>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

☐

3000

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

☒

FT FROM CENTERLINE

CRITICAL TEMPERATURES

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

PENETRATIONS REMARKS:

**PART C: GENERAL REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
10 FT VEGETATION AND SHIP MAST HEIGHTS USED PER FPT.  
CATS A-C ONLY, 3300 FT GRAVEL RUNWAY DOES NOT SUPPORT CAT D AIRCRAFT.  
FPT REQUESTS LNAV MINIMA TO STAY AT 680 AND CMDA CAT C AT 1120 AT THIS TIME FOR CATEx REASONS, CHECK WITH FPT ON NEXT AMENDMENT IF WE CAN LOWER.  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
POKA	RNAV (GPS) Y RWY 16	ORIG	TUNUNAK	AK	62	RNAV

PART D: AIRSPACE

DOCKET # 22-AAL-76

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

DISTANCE FROM	MAP	TO 1000FT POINT	3.22
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	147.93
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	FAF	TO 1500FT POINT	4.20
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	149.75
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	0

THRESHOLD COORDINATES (IF STR-IN)

603426.19N/1651453.57W

ARP COORDINATES

603410.30N/1651446.60W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 16 DISTANCE 0.27 NM

FAF COORDINATES

603846.09N/1652000.33W

FIX NAME COORDINATES

IAF ROBWA: 604024.74N/1653826.13W, IF/IAF BOWAY: 604356.29N/1652608.56W, MAP AKKEG: 603455.07N/1651506.20W, IAF BRNZZ: 604726.71N/1651348.30W

REMARKS

IAF BRNZZ 604726.71N 1651348.30W 30 NM RADIUS

IAF ROBWA 604024.74N 1653826.13W 30 NM RADIUS

IF/IAF BOWAY 604356.29N 1652608.56W 30 NM RADIUS

QUALITY  
35  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> RICHARD CHRISTENSEN	<u>OFFICE</u> AJV-A431	<u>DATE</u> 06/20/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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