

**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.

AIRPORT ID OTZ/PAOT	PROCEDURE NAME RNAV (GPS) RWY 9	ORIGINAL/AMENDMENT 1	CITY KOTZEBUE	STATE AK
AIRPORT ELEVATION 15	TDZE 13	SUPERSEDED RNAV (GPS) RWY 9	ORIGINAL/AMENDMENT ORIG-C	DATED 01/03/2019
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 9E
				EPOCH YEAR 2025
				CANCEL/SUSPEND

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 002/30 CW 182/30	NOPT	002/4 CW 182/4		3800
2. 002/4 CW 182/4		KOTEC	IF/IAF	1900
3. 182/30 CW 272/30		182/5 CW 272/5		4300
4. 182/5 CW 272/5		GIGRE	IAF	2800
5. 272/30 CW 002/30		272/11 CW 002/11		2100
6. 272/11 CW 002/11		HERDU	IAF	1900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GIGRE	IAF	KOTEC	NOPT	TF	FB	1.00	182.39	6.57	1900
HERDU	IAF	KOTEC	NOPT	TF	FB	1.00	002.27	8.89	1900
KOTEC	IF/IAF	ZIKBO		TF	FB	1.00	092.34	6.99	1500
ZIKBO	FAF	RW09	MAP	TF	FO	0.30	092.61	4.54	
RW09	MAP	500 MSL		CA			092.61		
500 MSL		OLLAG		DF	FB	1.00			500
OLLAG		HERDU		TF	FO	1.00	273.13	10.00	2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT OLLAG AND ON TRACK 273.13 TO HERDU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD W KOTEC, RT, 092.34 INBOUND, 1900 FT. IN LIEU OF PT (IAF), MAX 14000.														
3.	FAC:	092.61	FAF:	ZIKBO	DIST FAF TO MAP:	4.54	DIST FAF TO THLD:	4.54							
4.	MIN ALT:	KOTEC 1900, ZIKBO 1500													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.65	GS ANT:				
6.	MIN GP INCPT:	1500	GP ALT AT PFAF:	ZIKBO 1500					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:	42.2							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.
CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.
CHART NOTE: WHEN CIRCLING TO RWY 27 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 002.27 INBOUND.
CHART FAS OBST: 94 TOWER (02-000772) 665343N/1623556W.
WAAS CHANNEL # 57941
REFERENCE PATH ID: W09A
CHART CIRCLING ICON.
LTP HAE: 6.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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
LPV DA	263	5000	250	263	5000	250	263	5000	250	263	5000	250			
LNAV/VNAV DA	295	5000	282	295	5000	282	295	5000	282	295	5000	282			
LNAV MDA	360	5500	347	360	5500	347	360	5500	347	360	5500	347			
CIRCLING	520	1	505	520	1	505	720	2	705	720	2 1/4	705			



CHANGES - REASONS

1. CHANGED AIRPORT MAGVAR FROM 11E/2020 TO 9E/2025 - AIRNAV DATA UPDATE, FPT REQUEST.
2. UPDATED TAA RADIALS AND ALL TERMINAL ROUTES MAGVAR COURSES - AIRPORT MAGVAR CHANGED.
3. TAA: CHANGED STRAIGHT-IN SECTOR/STEPDOWN FROM '000/30 CW 150/30 - 000/4 CW 150/4' TO '002/30 CW 182/30 - 002/4 CW 182/4' AND STRAIGHT-IN ALTITUDE FROM 3700 TO 3800 - PER FPT REQUEST IAF GIGRE MOVED FOR NEW TAA CONFIGURATION, UPDATED OBSTACLE EVALUATION.
4. TAA: CHANGED LEFT SECTOR/STEPDOWN FROM '150/30 CW 270/30 - 150/7 CW 270/7' TO '182/30 CW 272/30 - 182/5 CW 272/5' - PER FPT REQUEST IAF GIGRE MOVED FOR NEW TAA CONFIGURATION, UPDATED OBSTACLE EVALUATION, STEPDOWN DISTANCE CHANGED TO AVOID TERRAIN+VEG 2023 MSL.
5. TERMINAL ROUTES: CHANGED GIGRE - KOTEC SEGMENT DISTANCE FROM 5.00 TO 6.57 - PER FPT REQUEST IAF GIGRE MOVED.
6. TERMINAL ROUTES: CHANGED DF LEG FROM HERDU TO OLLEG AND ADDED NEW TF LEG HERDU COURSE 273.13 - PER FPT REQUEST.
7. MISSED APPROACH INSTRUCTIONS: CHANGED FROM 'CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT HERDU AND HOLD' TO 'CLIMB TO 500, THEN CLIMBING RIGHT TURN TO 2000 DIRECT OLLAG AND ON TRACK 273.13 TO HERDU AND HOLD' - PER FPT REQUEST CHANGED TERMINAL ROUTE DF LEG AND ADDED NEW FT LEG.
8. PROFILE LINE 2: UPDATED HOLD W KOTEC INBOUND COURSE FROM 090.34 TO 092.34 AND MAX ALTITUDE FROM 6000 TO 14000 - PER FPT REQUEST, AIRPORT MAGVAR CHANGED.
9. PROFILE LINE 3: UPDATED FAC FROM 090.61 TO 092.61 - AIRPORT MAGVAR CHANGED.
10. PROFILE LINE 7: CHANGED 20:1 FROM 'IS CLEAR' TO 'IS NOT CLEAR' - IAW 8260.19J, 8-6-7.G(3)(A).
11. NOTES: UPDATED CHART NOTE FROM 'RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED' TO 'RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED' - IAW 8260.3E 3-3-2.
12. ADDITIONAL FLIGHT DATA: DELETED '*LNAV ONLY' AND ASTERISK FROM VDP DISTANCE TO RWY 09 CHART NOTE – NO LONGER REQUIRED IAW 8260.19I PARA 8-6-10.M.
13. ADDITIONAL FLIGHT DATA: UPDATED HOLD FROM 'SW, RT, 056.44 INBOUND' TO 'S, RT, 002.27 INBOUND' - PER FPT.
14. ADDITIONAL FLIGHT DATA: REMOVED 'CHART VDP AT 0.95 NM TO RW09*' - IAW 8260.3E 2-6-5.A(4), ASSUMED 20:1 PENETRATIONS EXIST.
15. MINIMUMS: UPDATED ALTERNATE MINIMUMS FROM 'STANDARD - CAT D 800-2 1/4' TO 'STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE' - IAW 8260.19J 8-6-12.B(4).
16. MINIMUMS: LNAV/VNAV DA ALL CAT CHANGED FROM 263 TO 295 - MISSED APPROACH SECTION 2 CAT D 32 FT PENETRATION, TOWER MSL 410.
17. FAS DATA: FPAP LATITUDE/LONGITUDE CHANGED FROM '665303.3985N/1623247.6050W' TO '665321.5685N/1623628.7510W' - PER FPT, FAF ZIKBO MOVED 7.65 FT WEST.
18. FAS DATA: CRC REMAINDER CHANGED FROM '5B6E1E97' TO '1DC70550' - PER FPT, FAF ZIKBO MOVED 7.65 FT WEST.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZAN, AMGR, OTZ FSS

FLIGHT CHECKED BY

RYAN CARAMNAICA

OFFICE

FPO

DATE

08/21/2024

DEVELOPED BY

RAFAEL A MARTINEZ

Digitally signed by

RAFAEL A MARTINEZ

Jun 25, 2024

OFFICE

AJV-A433

DATE

02/14/2024

APPROVED BY

BEV L BORDY

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FPAP ORTHOMETRIC HEIGHT

+00040



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

<u>AIRPORT ID</u> OTZ/PAOT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>AMDT NO.</u> 1	<u>CITY</u> KOTZEBUE	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 15	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
002/30 CW 182/30

TO
002/4 CW 182/4

<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	670957.00N/1630300.00W	2023	215	8	4B	2000				MT-300	3800
TERRAIN	670957.00N/1630300.00W	2007 (2000)								AS1500	3500

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
002/4 CW 182/4

TO
KOTEC

<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>
OVER WATER	665603.09N/1631006.91W	0	215	8	4B	2000				MT-100	1900
OVER WATER	665603.09N/1631006.91W	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

182/30 CW 272/30

TO

182/5 CW 272/5

<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>
TREE	671109.00N/1615251.00W	2430	215	8	4B	2000				MT-130	4300
TERRAIN	671109.00N/1615251.00W	2414 (2400)								AS1500	3900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM

182/5 CW 272/5

TO

GIGRE

<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>
TREE	670857.00N/1630130.00W	1013	215	8	4B	2000				MT-213	2800
TERRAIN	670545.00N/1625321.00W	479 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM

272/30 CW 002/30

TO

272/11 CW 002/11

<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>
TREE	665354.00N/1621857.00W	334	215	8	4B	2000				MT-234	2100
TERRAIN	665151.00N/1521900.00W	262 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

272/11 CW 002/11

TO

HERDU

<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>
OVER WATER	664224.83N/1630152.30W	0	215	8	4B	2000				MT-100	1900
OVER WATER	664224.83N/1630152.30W	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

GIGRE

TO

KOTEC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	6.57										
<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	670242.00N/1625651.00W	269	215	8	4B	1000				AT631	1900
TERRAIN	670227.00N/1630645.00W	16 (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

HERDU

TO

KOTEC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	8.89										
<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>
TRAVERSE_WAY (02-031276)	664723.69N/1630901.00W	208	50	20	2C	1000				AT692	1900
TERRAIN	665119.00N/1630720.00W	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

KOTEC (IF/IAF)

TO

ZIKBO

RNP

1.00

DISTANCE

6.99

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRAVERSE_WAY (02-042328)	665543.87N/1630525.60W	208	50	20	2C	500					800
OVER WATER	665458.34N/1625626.26W	0								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

ZIKBO

TO

RW09

RNP

0.30

DISTANCE

4.54

PAT

MAP

DA

HAT

250

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRAVERSE_WAY (02-263568)	665321.65N/1623639.89W	25	20	3	1A						263

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

KOTEC

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-4	<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>
TRAVERSE_WAY (02-042328)	665543.87N/1630525.60W	208	50	20	2C	1000				AT692	1900
OVER WATER	665539.65N/1630507.99W	0								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

HERDU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30-1.00								76			
<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>
							ASC				2000
TOWER (02-000590)	665019.62N/1623415.05W	410	20	3	1A	1000					1500
TERRAIN	665118.00N/1622727.00W	170 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

HERDU

RNP 0.30-1.00	DISTANCE	PAT	MAP		HAT		HMAS				
								134			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (02-000590)	665019.62N/1623415.05W	410	20	3	1A	1000					1500
TERRAIN	665118.00N/1622727.00W	170 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW09

TO

HERDU

RNP 0.30-1.00	DISTANCE	PAT	MAP		HAT		HMAS				
								260			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (02-000590)	665019.62N/1623415.05W	410	20	3	1A	1000					1500
TERRAIN	665118.00N/1622727.00W	170 (200)								AS1500	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											
TOWER (02-000668)	665129.80N/1623650.84W	1.30	505	218	20	3	1A	300			520
CATEGORY B											
TOWER (02-000668)	665129.80N/1623650.84W	1.81	505	218	20	3	1A	300			520
CATEGORY C											
TOWER (02-000590)	665019.62N/1623415.05W	2.84	705	410	20	3	1A	300			720
CATEGORY D											
TOWER (02-000590)	665019.62N/1623415.05W	3.70	705	410	20	3	1A	300			720

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, OTZ FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	OTZ/PAOT	24	OTZ/PAOT	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
AWOS-3P	WTK/PAWN	24	WTK/PAWN	41.57	Y	108

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PAOT 15, PAWN 92
RA = 107.3.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW36 - MIRL (PCL)			
RW18 - MIRL (PCL)			
RW27 - HIRL (PCL), REIL (PCL), PAPI-4L		NPI-F	ROLL OUT
RW09 - HIRL (PCL), REIL (PCL), PAPI-4R		PIR-F	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	13.1	42.2			3.00	43.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	400
ON CENTERLINE	X	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-20C	+54C	-35C	+14.97C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -40C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1260.



"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 09		
20:1			
25 TRAVERSE_WAY (02-176598) 665324.110N/1623637.780W (1.62)	25 TRAVERSE_WAY (02-176603) 665324.330N/1623637.810W (1.33)		
25 TRAVERSE_WAY (02-176606) 665324.530N/1623637.880W (0.99)	25 TRAVERSE_WAY (02-263568) 665321.650N/1623639.890W (0.04)		

AIRPORT ID OTZ/PAOT		PROCEDURE NAME RNAV (GPS) RWY 9	AMDT NO. 1	CITY KOTZEBUE	STATE AK	AIRPORT ELEVATION 15	FACILITY RNAV
FINAL TYPE	CIRCLING RWY 18						
20:1							
26 TRAVERSE_WAY (02-272228) 665309.590N/1623629.940W (7.25)				21 TRAVERSE_WAY (02-259137) 665308.520N/1623628.530W (6.85)			
20 TRAVERSE_WAY (02-122858) 665309.350N/1623626.460W (0.76)							
FINAL TYPE	CIRCLING RWY 27						
20:1							
61 TRAVERSE_WAY (02-083356) 665310.690N/1623343.770W (16.82)				60 TRAVERSE_WAY (02-101218) 665310.090N/1623344.560W (16.74)			
50 TRAVERSE_WAY (02-272153) 665306.630N/1623351.170W (16.06)				61 TRAVERSE_WAY (02-113048) 665305.540N/1623345.880W (15.58)			
62 TRAVERSE_WAY (02-101219) 665305.380N/1623344.800W (14.31)				84 TRAVERSE_WAY (02-071426) 665304.090N/1623333.890W (13.64)			
49 TRAVERSE_WAY (02-113164) 665308.750N/1623349.290W (13.59)				43 TRAVERSE_WAY (02-072005) 665307.340N/1623352.000W (11.42)			
53 TERRAIN (02-090659) 665309.610N/1623343.720W (7.6)				50 TERRAIN (02-071448) 665310.140N/1623344.830W (7.32)			
52 TERRAIN (02-098938) 665308.060N/1623344.590W (6.69)				48 TERRAIN (02-262077) 665309.720N/1623345.700W (6.58)			
89 TERRAIN (02-071434) 665309.660N/1623324.390W (5.87)				35 TRAVERSE_WAY (02-072003) 665307.290N/1623353.220W (5.75)			
55 TERRAIN (02-262081) 665308.660N/1623342.240W (5.72)				51 TERRAIN (02-263144) 665305.450N/1623345.980W (5.69)			
81 TERRAIN (02-118569) 665309.770N/1623328.300W (5.63)				61 TERRAIN (02-071452) 665308.510N/1623339.190W (5.6)			
71 TERRAIN (02-262073) 665309.830N/1623333.360W (5.58)				41 TERRAIN (02-072007) 665306.990N/1623350.220W (5.58)			
61 TERRAIN (02-111602) 665310.380N/1623338.180W (5.57)				70 TERRAIN (02-079831) 665309.190N/1623334.200W (5.55)			
40 TERRAIN (02-072006) 665306.580N/1623350.890W (5.46)				47 TERRAIN (02-263143) 665305.790N/1623347.660W (5.32)			
53 TERRAIN (02-176600) 665310.200N/1623342.060W (4.97)				36 TERRAIN (02-072004) 665306.560N/1623352.690W (4.96)			
37 TERRAIN (02-116281) 665306.690N/1623352.070W (4.88)				55 TERRAIN (02-176601) 665307.610N/1623342.290W (4.72)			
90 TERRAIN (02-071831) 665302.840N/1623326.890W (4.65)				36 TRAVERSE_WAY (02-106046) 665307.560N/1623352.000W (4.65)			
70 TERRAIN (02-071424) 665306.040N/1623335.380W (4.58)				60 TERRAIN (02-105918) 665307.400N/1623339.770W (4.58)			
52 TERRAIN (02-176579) 665306.430N/1623344.080W (3.99)				37 TRAVERSE_WAY (02-262643) 665308.760N/1623350.430W (3.83)			
49 TERRAIN (02-262648) 665307.670N/1623344.850W (3.79)				48 TERRAIN (02-176625) 665305.620N/1623346.360W (3.61)			
39 TERRAIN (02-116282) 665308.790N/1623349.260W (3.57)				87 TERRAIN (02-071435) 665310.390N/1623323.510W (2.91)			
90 TERRAIN (02-093696) 665310.040N/1623322.050W (2.69)				98 TERRAIN (02-118509) 665302.630N/1623321.880W (2.64)			
90 TERRAIN (02-071835) 665310.240N/1623321.850W (2.51)				106 TERRAIN (02-071366) 665301.830N/1623317.300W (0.86)			
29 TERRAIN (02-119374) 665306.950N/1623353.700W (0.34)							
FINAL TYPE	CIRCLING RWY 36						
20:1							
25 TRAVERSE_WAY (02-111378) 665227.360N/1623702.580W (11.56)				25 TRAVERSE_WAY (02-095332) 665226.930N/1623702.870W (9.3)			
20 TRAVERSE_WAY (02-071540) 665226.870N/1623653.390W (8.56)				15 TERRAIN (02-115835) 665227.760N/1623702.350W (3.65)			
FINAL TYPE	LPV, LNAV/VNAV, AND LNAV						
20:1							
25 TRAVERSE_WAY (02-176598) 665324.110N/1623637.780W (1.62)				25 TRAVERSE_WAY (02-176603) 665324.330N/1623637.810W (1.33)			

QUALITY
10
CHECKED

QUALITY
10
CHECKED

<u>AIRPORT ID</u> OTZ/PAOT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>AMDT NO.</u> 1	<u>CITY</u> KOTZEBUE	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 15	<u>FACILITY</u> RNAV
25 TRAVERSE_WAY (02-176606) 665324.530N/1623637.880W (0.99)			25 TRAVERSE_WAY (02-263568) 665321.650N/1623639.890W (0.04)			
FINAL TYPE	LPV, LNAV/VNAV, AND LNAV					
34:1						
25 TRAVERSE_WAY (02-176608) 665320.710N/1623640.930W (4.3)						
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED DUE TO 20:1 PENETRATIONS.

15 FT VEG AND 50 FT BARGES USED PER FPT. FPT ADVISES THAT SHIP HEIGHTS INCREASE TO 208FT BEYOND 5NM FROM SHORELINE.

ROC REDUCED IN TAA SECTORS LAW 8260.3B PARAGRAPH 1720. VEGETATION OR WATER DOCUMENTED.

UTILIZED 100FT VEGETATION TO ASSESS VEGETATION FOR MOUNTAINOUS ROC REDUCTION IN TAA AREAS NORTH AND EAST OF BALDWIN PENINSULA.

BACKUP ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WTK ALTIMETER SETTING AND INCREASE LPV DA TO 371 FEET AND ALL VISIBILITIES TO RVR 5500 INCREASE LNAV/VNAV DA TO 403 FEET AND ALL VISIBILITIES TO RVR 6000 INCREASE ALL MDAS 120 FEET; AND CIRCLING VISIBILITY CAT C/D 1/2 SM.

BARO-VNAV NA WHEN USING WTK ALTIMETER SETTING.

APPROVAL LETTER ON FILE TO MITIGATE VISUAL SURFACE PENETRATIONS ON RWY 27 USING THE INSTALLED VGSI OF 52.3/3.30. AIRPORT NOTIFIED OF REQUIREMENT TO UPDATE VGSI MITIGATION APPROVAL LETTER WITH NEWLY COMMISSIONED VGSI DATA (46.1/3.30).

RWY 9 20:1 PENETRATIONS: ALL VISUAL PENETRATIONS TO FINAL FOR THIS RUNWAY ARE SURVEYED ROAD, AND PENETRATE THE 20:1 VISUAL SURFACE BY LESS THAN 2' (ASSUMING THE STANDARD 15' SURVEYOR ADDITIVE FOR VEHICLES). VEHICLE HEIGHT RESTRICTORS HAVE BEEN PUT IN PLACE (13') THAT MITIGATE THE 20:1 PENETRATIONS.

ORDER 8260.3C, PARAGRAPH 1-2-3B; THE AIRPORT INFRASTRUCTURE REQUIREMENTS OF FAA AC 150/5300-13A, AIRPORT DESIGN, PARAGRAPH 317, TABLE 3-4 PARALLEL TAXIWAY REQUIRED FOR VISIBILITY 3/4 TO LESS THAN 1 SM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
RAFAEL A MARTINEZ	AJV-A433	02/14/2024	AERONAUTICAL INFORMATION SPECIALIST

