

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) SPECIAL INSTRUMENT APPROACH PROCEDURE
SPECIFICATION -- NOT FOR COCKPIT USE**

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.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for enroute operations in the particular area or as set forth below.

<u>AIRPORT ID</u> C05/PFCB	<u>PROCEDURE NAME</u> RNAV (GPS) M 174	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> CHENEGA	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 69	<u>THRE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u> 15E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2025
				<u>CANCEL/SUSPEND</u>

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>
KEBAB		KIVTY		TF	FB	1.00	255.26	11.28	4000
EDELE		XOPKY		TF	FB	1.00	133.36	9.88	6000
XOPKY		KIVTY		TF	FB	1.00	133.51	9.88	4000
KIVTY	IAF	JOBAW		TF	FB	1.00	184.90	5.89	3100
JOBAW	IF	URROF		TF	FB	1.00	185.61	4.39	2200
URROF	FAF	CIZVI	MAP	TF	FO	0.30	174.07	6.50	
CIZVI	MAP	1000 MSL		CA			174.07		
1000 MSL		ADEZO		DF	FB	1.00			
ADEZO		WICOL		TF	FB	1.00	033.02	12.17	
WICOL		KEBAB		TF	FO	1.00	340.38	15.22	4000

MISSED APPROACH

MAP:

LNAV: CIZVI

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 4000 DIRECT ADEZO AND ON TRACK 033.02 TO WICOL, AND ON TRACK 340.38 TO KEBAB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. PROFILE STARTS AT JOBAW
- 3. **FAC:** 174.07 **FAF:** URROF **DIST FAF TO MAP:** 6.50 **DIST FAF TO THLD:**
- 4. **MIN ALT:** JOBAW 3100, URROF 2200
- 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:** **20:1:** **TCH:**
- 8. **MSA FROM:** CIZVI 7400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EDELE ON V319 EASTBOUND.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.
 CHART PLANVIEW NOTE: PROCEED VFR FROM CIZVI OR CONDUCT THE SPECIFIED MISSED APPROACH.
 CHART PLANVIEW NOTE: MAP 8.44 NM NORTH OF CHENEGA BAY ARP, PROCEDURE INTENDED FOR DESCENT TO VFR CONDITIONS ONLY IF MISSED APPROACH NOT EXECUTED.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLETON ISLAND ALTIMETER SETTING AND INCREASE ALL MDAS 560 FEET.
 CHART NOTE: ACTIVATE MIRL RWY 16-34 - CTAF.

ADDITIONAL FLIGHT DATA:

CHART: PFCB AIRPORT.

HOLD E, RT, 255.26 INBOUND.
 CHART ARRIVAL HOLDING AT KIVTY: HOLD N, LT, 184.90 INBOUND, 4000.
 FAS OBST: 365 AAO 601518N/1475724W.
 150 SHIP 601327N/1475905W.

MINIMUMS:

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

ALTERNATE: NA

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	1000	3	1000	1000	3	1000		NA			NA					

CHANGES - REASONS

ORIGINAL PROCEDURE TO REPLACE RNAV (GPS)-A.



AIRPORT ID
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PROCEDURE NAME
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ORIGINAL/AMENDMENT
ORIG

CITY
CHENEGA

STATE
AK

SUBMITTED BY

OFFICE

DATE

FLIGHT CHECKED BY

OFFICE

DATE

JAMES HAWLEY

FPO

04/29/2024

DEVELOPED BY

RICHARD CHRISTENSEN

Digitally signed by
RICHARD E. CHRISTENSEN
Apr 06, 2024

OFFICE

AJV-A431

DATE

12/12/2023

RECOMMENDED BY

ERIC N SUSKI

Digitally signed by
ERIC N SUSKI

Apr 11, 2024

OFFICE

AJV-A431

DATE

TITLE
MANAGER

APPROVED BY

OFFICE

DATE

TITLE



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

<u>AIRPORT ID</u> C05/PFCB	<u>PROCEDURE NAME</u> RNAV (GPS) M 174	<u>AMDT NO.</u> ORIG	<u>CITY</u> CHENEGA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 69	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM KEBAB **TO** KIVTY

RNP 1.00 DISTANCE 11.28 PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	602751.00N/1473842.00W	1893	215	8	4B	2000				AT107	4000
TERRAIN	602751.00N/1473842.00W	1692 (1700)								AS1500	3200

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM EDELE **TO** XOPKY

RNP 1.00 DISTANCE 9.88 PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	604345.00N/1480806.00W	2687	215	8	4B	2000				AT1313	6000
TERRAIN	604345.00N/1480806.00W	2486 (2500)								AS1500	4000

COMPUTATIONS

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

SEGMENT REMARKS:



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FEEDER: STEPDOWN

FROM
XOPKY **TO**
KIVTY

RNP 1.00 **DISTANCE** 9.88 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	602827.00N/1474642.00W	1126	215	8	4B	2000				AT874	4000
TERRAIN	603036.00N/1475630.00W	127 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL
FROM
KIVTY **TO**
JOBAW

RNP 1.00 **DISTANCE** 5.89 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	602518.00N/1474833.00W	1769	215	8	4B	1000				PR160	3000
TERRAIN	602518.00N/1474833.00W	1568 (1600)								AS1500	3100

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM JOBAW **TO** URROF

RNP 1.00 **DISTANCE** 4.39 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	602345.00N/1474945.00W	1214	215	8	4B	500				PR150 RA145 XP191	2200
TERRAIN	602230.00N/1475036.00W	547 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

XP191: TO AVOID TERRAIN TO NORTHWEST OF FAF

FINAL: LNAV

FROM URROF **TO** CIZVI

RNP 0.30 **DISTANCE** 6.50 **PAT** **MAP** CIZVI **HAT** 1000 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	601518.00N/1475724.00W	365	215	8	4B	250				XL26 PR70 XP265 RA24	1000

COMPUTATIONS

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

SEGMENT REMARKS:

XP265: MAINTAIN 1000 FT MDA AT MAP BEFORE PROCEEDING VFR TO CHENEGA BAY.



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MISSED APPROACH: LNAV

FROM
CIZVI **TO**
KEBAB

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
781

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	601006.00N/1474636.00W	1336	215	8	4B	1000					2400
TERRAIN	601006.00N/1474636.00W	1135 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

MSA

CENTER **RADIUS**
CIZVI 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	601215.00N/1484845.00W	253	24.7	6303	215	8	4B	1000			7400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



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FACILITY
RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

WX SERVICE
AWOS-3P

LOCATION
C05/PFCB

HRS OPERATION
24

ALTIMETER SOURCE
C05/PFCB

DISTANCE
0

SERVICE-A
N

ADJUSTMENTS
24

BACK-UP WX SERVICE
AWOS-3P

LOCATION
MDO/PAMD

HRS OPERATION
24

ALTIMETER SOURCE
MDO/PAMD

DISTANCE
63.59

SERVICE-A
Y

ADJUSTMENTS
574

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
MAP CIVZI 100, PFCB 69
RA = 23.8

RASS PRESSURE PATTERNS NOT THE SAME
HIGH 2969, LOW 0
RA = 573.8

573.8 - 23.8 = 550.0 (550)

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW34 - MIRL		
RW16 - MIRL		

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE

TCH

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

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.

VDP NOT ESTABLISHED - POINT IN SPACE PROCEDURE.

100 FT VEGETATION HEIGHT USED PER FPT.

150 FT SHIP MAST PLANTED OVER WATER PER FPT.

HAT AT 1000 BASED ON HIGHEST SURFACE ELEVATION AROUND 5200 FT RADII AROUND MAP. MAP OVER OPEN WATER, MDA 1000/HAT 1000.

WAIVER DATA: POINT IN SPACE PROCEDURE UTILIZED WITH PROCEED VFR FROM MAP 8.44 NM NORTH OF CHENEGA BAY ARP. RISING TERRAIN AROUND AIRPORT DOES NOT ALLOW INSTRUMENT APPROACH PROCEDURES WITHIN CRITERIA.

PART D: AIRSPACE

DOCKET #23-AAL-67

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	0.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	189.07
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	MAP	TO 1500FT POINT	5.50
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	189.07
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD COORDINATES (IF STR-IN)

600428.06N/1475939.67W

ARP COORDINATES

600442.82N/1475941.05W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 34 DISTANCE 0.49 NM

FAF COORDINATES

601931.69N/1475707.61W

FIX NAME COORDINATES

MAP CIZVI 601307.57N/1475910.85W

REMARKS

SPECIAL PINS PROCEDURE: AIRSPACE CALCULATED FROM MAP, IFR SEGMENT ENDS AT MAP CIZVI.
PROCEED VFR FROM MAP CIZVI 8.44 NM SOUTH TO CHENEGA BAY ARPT.

PART E: PREPARED BY

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RICHARD CHRISTENSEN

OFFICE
AJV-A431

DATE
12/12/2023

TITLE
AERONAUTICAL INFORMATION SPECIALIST

