

**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</u> COLD BAY	<u>AIRPORT ID</u> PACD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> COLD BAY	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 100	<u>TDZE</u> 93	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 10/12/2017	<u>MAG VAR</u> 12E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> 9/10/2020	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

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>
CDB VORTAC		EPHEX		TF	FO	1.00	145.81	17.67	3800
ELF NDB		EPHEX		TF	FO	1.00	146.30	19.48	3800
CHUNA		BUKAY		TF	FB	1.00	103.68	33.86	4500
MILAM		AVVUH		TF	FB	1.00	206.95	21.66	5600
BUKAY	IAF	EPHEX	NOPT	TF	FB	1.00	032.68	7.87	3800
AVVUH	IAF	EPHEX	NOPT	TF	FB	1.00	246.70	10.00	3800
EPHEX	IF/IAF	ODOWO		TF	FB	1.00	326.47	6.27	2300
ODOWO	FAF	PABGE/3.00 NM TO RW33		TF	FB	0.30	326.42	3.76	
PABGE/3.00 NM TO RW33		RW33	MAP	TF	FO	0.30	326.42	3.00	
RW33	MAP	293 MSL		CA			326.42		
293 MSL		DEADS		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT DEADS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
25
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD SE EPHEX, RT, 326.47 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 326.42 FAF: ODOWO DIST FAF TO MAP: 6.76 DIST FAF TO THLD: 6.76

4. MIN ALT: EPHEX 3800, ODOWO 2300, PABGE/3.00 NM TO RW33 1100*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.45 GS ANT:

6. MIN GP INCPT: 2300 GP ALT AT FAF : ODOWO 2300 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.0

8. MSA FROM: RW33 7100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 54°C.
CHART NOTE: CIRCLING NA FOR CAT A SW OF RWY 15-33 AT NIGHT.
CHART NOTE: CIRCLING NA FOR CAT B/C/D SW OF RWY 15-33.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
CHART FAS OBST: 231 ANTENNA 551122N/1624218W
450 AAO 550833N/1624158W
HOLD NW, LT, 146.24 INBOUND.
CHART VDP AT 1.16 NM TO RW33*
*LNAV ONLY.
WAAS CHANNEL # 49106
REFERENCE PATH ID: W33A
LTP HAE: 44 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2



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	293	3/4	200	293	3/4	200	293	3/4	200	293	3/4	200			
LNAV/VNAV DA	392	7/8	299	392	7/8	299	392	7/8	299	392	7/8	299			
LNAV MDA	500	1	407	500	1	407	500	1 1/8	407	500	1 1/8	407			
CIRCLING	540	1	440	560	1	460	560	1 1/2	460	860	2 1/2	760			

CHANGES - REASONS

1. AMENDED AIRPORT ELEVATION FROM 102 TO 100 - CURRENT AIRNAV DATA
2. AMENDED TDZE FROM 94 TO 93 - CURRENT AIRNAV DATA
3. ADDED "20:1: IS CLEAR" TO PROFILE LINE 7 - 8260.19H, 8-6-7, G(3)
4. REMOVED CHART NOTE: DME/DME RNP 0.3 NA; ADDED RNP APCH TO PBN REQUIREMENTS NOTE - IAW 8260.19H, CH 8, 8- 6-8, B(1).
5. AMENDED AND RELOCATED "DISTANCE TO THLD FROM 200 HATH: 0.46 NM" FROM ADDITIONAL FLIGHT DATA TO "DISTANCE TO THLD FROM 200 HAT: 0.45" TO PROFILE LINE 5 - 8260.19H, 8-6-7, E (3).
6. AMENDED ADDITIONAL FLIGHT DATA FROM "CHART VDP AT 1.10 NM TO "CHART VDP AT 1.16 NM" - 8260.19H, 8-6-10, N(1).
7. UPDATED VISIBILITY, LPV ALL CATS FROM "1/2" TO "3/4", LNAV/VNAV ALL CATS FROM "1/2" TO "7/8", LNAV CATS A/B FROM "1/2" TO "1", CATS C/D FROM "3/4" TO "1 1/8", CIRCLING CAT D FROM 2 TO 2 1/2 - VISIBILITY CALCULATOR
8. AMENDED LPV DA/HAT FROM "294/200" TO "293/200" LNAV/VNAV DA/HAT FROM "408/314" TO "392/299" LNAV MDA/HAA FROM "500/406" TO "500/407." - NEW CONTROLLING OBSTACLE IDENTIFIED
9. AMENDED LNAV CONTROLLING OBSTACLE FROM "551129.00N/1624230.68W" TO "550748.00N/1624130.00W" OBSTACLE CHANGED FROM 237 OL TOWER TO 231 ANTENNA.
10. AMENDED CIRCLING CAT A MDA/HAA FROM "540/438" TO "540/440" CAT B/C FROM "560/458" TO "560/460" CAT D FROM "660/558" TO "860/760" - NEW CONTROLLING OBSTACLE IDENTIFIED.
11. UPDATED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 43C (109F)" TO "-10C TO 54C." - FAHRENHEIT REMOVED.
12. AMENDED CRC REMAINDER FROM "DC3CE9E2" TO "41B972C4" - UPDATED SURVEY DATA
13. AMENDED LTP/FTP COORDINATES UPDATED FROM "551147.2400N 1624311.7000W" TO "551147.2425N 1624311.7070W" - UPDATED SURVEY DATA
14. AMENDED LTP/FPAP ORTHOMETRIC HEIGHTS UPDATED FROM "+00284" TO "+00285" - UPDATED SURVEY DATA
15. AMENDED FPAP LAT/LONG FROM 551320.5000N, 1624416.4300W" TO "551320.4960N, 1624416.4210W" - UPDATED SURVEY DATA
16. ADDED ADDITIONAL FLIGHT DATA NOTE "CHART FAS OBSTACLE 231 ANTENNA 551122N/1624218W" - 8260.19H, 8-6-10C.
17. ADDED "CHART NOTE: CIRCLING NA FOR CAT A SW OF RWY 15-33 AT NIGHT." "CHART NOTE: CIRCLING NA FOR CAT B/C/D SW OF RWY 15-33." - 8260.19H, 8-6-11, O(1)(H).
18. ADDED "CHART NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 36 FEET)" - 8260-19H, 8-6-9, M(1).
19. AMENDED COURSE/DISTANCE FROM CDB VORTAC TO EPHEX CHANGED FROM 145.79/17.68 TO 145.81/17.67, COURSE/DISTANCE FROM ELF NDB TO EPHEX CHANGED FROM 145.31/19.47 TO 146.30/19.48, COURSE FROM PABGE TO RW33 CHANGED FROM 326.39 TO 326.42, DISTANCE FROM ODOWO TO PABGE CHANGED FROM 3.76 TO 3.77 - MAGVAR UPDATE
20. ADDED 450 AAO 550833N/1624158W TO ADDITIONAL FLIGHT DATA - NEW 7:1 OBSTACLE.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PENDING

Digitally signed by

DONALD H LANIER

Jul 30, 2020

OFFICE

FICO

DATE

DEVELOPED BY

DONALD H. LANIER (COLE NESBITT)

Digitally signed by

DONALD H LANIER

Jul 30, 2020

OFFICE

AJV-A431

DATE

05/07/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

DONALD H LANIER

Jul 30, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PACD
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	551147.2425N
LTP/FTP LONGITUDE	1624311.7070W
LTP/FTP ELLIPSOIDAL HEIGHT	+00440
FPAP LATITUDE	551320.4960N
FPAP LONGITUDE	1624416.4210W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	41B972C4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00284
FPAP ORTHOMETRIC HEIGHT	+00284

