

**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> KCVO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> CORVALLIS	<u>STATE</u> OR		
<u>AIRPORT ELEVATION</u> 250	<u>TDZE</u> 248	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 15E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
MAGOT		INNOP		TF	FO	1.00	267.27	10.64	3700
CVO VOR/DME		INNOP		TF	FO	1.00	352.34	12.79	3800
ADLOW	IAF	INNOP	NOPT	TF	FB	1.00	205.73	3.68	3700
CRAAF	IAF	INNOP	NOPT	TF	FB	1.00	110.67	5.07	3700
INNOP	IF/IAF	EGBEW		TF	FB	1.00	172.00	3.94	2900
EGBEW		ACVOL		TF	FB	1.00	171.99	1.98	2400
ACVOL	FAF	CAYJU/2.51 NM TO RW17		TF	FB	0.30	171.98	4.12	
CAYJU/2.51 NM TO RW17		RW17	MAP	TF	FO	0.30	171.98	2.51	
RW17	MAP	1100 MSL		CA			171.98		1100
1100 MSL		INNOP		DF	FO	1.00			3700

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3700 DIRECT INNOP AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N INNOP, LT, 172.00 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 171.98FAF: ACVOLDIST FAF TO MAP: 6.63DIST FAF TO THLD: 6.63

4. MIN ALT: INNOP 3700, EGBEW 2900, ACVOL 2400, CAYJU/2.51 NM TO RW17 1080

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.50GS ANT:

6. MIN GP INCPT: 2400GP ALT AT FAF : ACVOL 2400OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 44.5

8. MSA FROM: RW17 5300

PBN REQUIREMENTS NOTE:

RNP APCH - GPS

NOTES:

CHART NOTE: CIRCLING RWY 28 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAGOT ON V23 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CRAAF ON V287 NORTHEAST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

1700 AAO 443717N/1231848W.
CHART FAS OBST: 615 TREE (41-072273) 443233N/1231727W.
CHART VDP AT 1.84 NM TO RW17
WAAS CHANNEL # 78311
REFERENCE PATH ID: W17A
CHART CIRCLING ICON.
LTP HAE: 51.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, 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	448	1/2	200	448	1/2	200	448	1/2	200	448	1/2	200			
LNAV/VNAV DA	571	1/2	323	571	1/2	323	571	1/2	323	571	1/2	323			
LNAV MDA	880	1/2	632	880	1/2	632	880	1 3/8	632	880	1 3/8	632			
CIRCLING	880	1	630	880	1	630	920	1 3/4	670	1080	2 3/4	830			

QUALITY
6
CHECKED

CHANGES - REASONS

1. PROFILE LINE 2: ADDED "MAX 6000" TO HOLD-IN-LIEU - IAW 8260.19I 8-6-7B(2).
2. PROFILE LINE 5: ADDED "200 HAT: 0.50" - NEW SURVEY DATA; CALCULATIONS ARE NOW MADE FROM THE THRE VS TDZE.
3. REMOVED CHART NOTE "DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" IN PBN EQUIPMENT REQUIREMENT NOTES - IAW 8260.19I 8-6-8B (2).
4. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. - NO BACKUP ALTIMETER SOURCE.
5. UPDATED TEMPERATURE NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C" - IAW 8260.19I 8-6-9R.
6. UPDATED INOP CHART NOTE: FROM "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM AND INCREASE LNAV CAT C/D VISIBILITY TO 1 ¾ SM." TO "FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 SM." - 8260.19I 8-6-11.
7. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP FROM "1.77 NM TO RW17" TO "1.84 NM TO RW17" - UPDATED MDA.
8. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "607 TREE 443233N/1231731W" TO "615 TREE (41-072273) 443233N/1231727" - NEW CONTROLLING OBSTACLE FOR LNAV STEPDOWN.
9. ALTERNATE MINIMUMS: ADDED "STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE." - LOCAL WEATHER ON WMSCR; NO REDUNDANT WEATHER SOURCES ON AIRPORT.
10. INCREASED LNAV MDA/HAT FOR ALL CATEGORIES FROM "860/612" TO "880/632" - NEW CONTROLLING OBSTACLE; NOTAM 9/7156.
11. CHANGED FAS DATA LTP/FTP LATITUDE FROM "443012.4245N" TO "443012.4280" - NEW SURVEY DATA.
12. CHANGED FAS DATA LTP/FTP LONGITUDE FROM "1231727.8530W" TO "1231727.8500" - NEW SURVEY DATA.
13. CHANGED FAS DATA FPAP LATITUDE FROM "442843.9845N" TO "442843.98665" - NEW SURVEY DATA.
14. CHANGED FAS DATA FPAP LONGITUDE FROM "1231742.9550W" TO "1231742.9370W" - NEW SURVEY DATA.
15. CHANGED FAS DATA TCH FROM "00044.7" TO "00044.5" - NEW SURVEY DATA.
16. CHANGED FAS DATA LTP/FPAP ORTHOMETRIC HEIGHT FROM "+00745" TO "+00746" - NEW SURVEY DATA.
17. CRC REMAINDER CHANGED FROM "B7CE5FA1" TO "30B166A9" - DUE TO LTP/FTP LAT/LONG, FPAP LAT/LONG, TCH AND LTP/FPAP ORTHOMETRIC HEIGHT CHANGE.
18. ADDED CHART NOTE: CIRCLING RWY 28 NA AT NIGHT - 20:1 PENETRATIONS.
19. UPDATED PROFILE LINE 7: TCH CHANGED FROM 44.7 TO 44.5 - 8260.3D TABLE 10-1-1
20. REMOVED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - VGSI AND GLIDPATH ARE COINCIDENT.
21. CIRCLING MDA/HAA CAT A/B CHANGED FROM 860/610 TO 880/630 - NEW CONTROLLING OBSTACLE.
22. REMOVED "LNAV ONLY" FROM ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10M.
23. REMOVED THE "" FROM 1080 ON PROFILE LINE 4 - 8260.19I 8-6-7D.
24. REMOVED THE "" IN "CHART VDP AT 1.84 NM TO RW17*" FROM ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10M.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ARPT MGR, ZSE, CASCADE APP CON

FLIGHT CHECKED BY

DANIEL C FAVORITE

Digitally signed by

DONALD H LANIER

Jun 24, 2021

OFFICE

FICO

DATE

06/22/2021

DEVELOPED BY

DONALD H. LANIER (MICAH HILLEY)

Digitally signed by

DONALD H LANIER

Jun 24, 2021

OFFICE

AJV-A431

DATE

12/08/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Jun 24, 2021

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	KCVO
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	443012.4280N
LTP/FTP LONGITUDE	1231727.8500W
LTP/FTP ELLIPSOIDAL HEIGHT	+00518
FPAP LATITUDE	442843.9865N
FPAP LONGITUDE	1231742.9370W
THRESHOLD CROSSING HEIGHT (TCH)	00044.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0952
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	30B166A9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00746
FPAP ORTHOMETRIC HEIGHT	+00746