

**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> SOUTHWEST OREGON RGNL	<u>AIRPORT ID</u> KOTH	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 5	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> NORTH BEND	<u>STATE</u> OR	
<u>AIRPORT ELEVATION</u> 17	<u>TDZE</u> 16	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 4	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 15E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<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>
RARES		MITUE		TF	FO	1.00	210.61	29.64	4100
LUPCI		GAMLL		TF	FB	1.00	270.55	11.55	3400
GAMLL	IAF	MITUE	NOPT	TF	FB	1.00	320.05	7.50	2400
MITUE	IF/IAF	OXVAK		TF	FB	1.00	045.49	8.47	1300
OXVAK	FAF	RW05	MAP	TF	FO	0.30	045.61	3.87	
RW05	MAP	319 MSL		CA			045.61		
319 MSL		RUNUE		DF	FB				
RUNUE		RARES		TF	FO	1.00	015.28	15.37	6000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT RUNUE AND ON TRACK 015.28 TO RARES AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SW MITUE, RT, 045.49 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 045.61 FAF: OXVAK DIST FAF TO MAP: 3.87 DIST FAF TO THLD: 3.87

4. MIN ALT: MITUE 2400, OXVAK 1300

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 303 HAT: 0.79 GS ANT:

6. MIN GP INCPT: 1300 GP ALT AT FAF : OXVAK 1300 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 50.7

8. MSA FROM: RW05 4300

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 13, 31 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RARES ON V287-536 NORTHBOUND AND AT LUPCI ON V27 SOUTHBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 SM, AND INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.73 NM TO RW05*
*LNAV ONLY
WAAS CHANNEL #82416
REFERENCE PATH ID: W05A
CHART FAS OBST: 369 TREE 432420N/1241519W.
HOLD N, RT, 188.37 INBOUND
LTP HAE: -21 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT B 900-2, CAT C 1100-3, CAT D 1200-3

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	319	1/2	303	319	1/2	303	319	1/2	303	319	1/2	303			
LNAV/VNAV DA	550	1 3/8	534	550	1 3/8	534	550	1 3/8	534	550	1 3/8	534			
LNAV MDA	620	1/2	604	620	1/2	604	620	1 3/8	604	620	1 3/8	604			
CIRCLING	680	1	663	820	1	803	1100	3	1083	1160	3	1143			



CHANGES - REASONS

1. DELETED NOTE: NIGHT LANDING: RWY 31 NA - REPLACED WITH NEW FORMATTED NOTE FOR CIRCLING NA AT NIGHT.
2. ADDED NOTE: CIRCLING RWY 13, 31 NA AT NIGHT - NEW FORMAT PER FAA ORDER 8260.19H PARA 8-6-11O(2)(G)
3. ADDED RNP APCH - PBN REQUIREMENTS NOTE.
4. ADDED NIGHT RESTRICTION TO RWY 13 - PER FPT, SHIP PASSING THROUGH CHANNEL PENETRATES VISUAL SURFACE.
5. CRC REMAINDER CHANGED FROM BEB70FDA TO 0D75E05F - REF PATH ID CHANGED FROM W04A TO W05A.
6. PROCEDURE NAME CHANGED FROM RNAV (GPS) Y RWY 4 TO RNAV (GPS) Y RWY 5 - APT UPDATED TO MATCH PREVIOUSLY CHANGE MAG/VAR.
7. DELETED DME/DME RNP-0.3 NA NOTE - ADDED RNP APCH.
8. ADDED 20:1 IS CLEAR - NEW REQUIREMENT.
9. REMOVED FAHRENHEIT TEMPS FROM UNCOMPENSATED BARO-VNAV NOTE - NO LONGER REQUIRED.
10. UPDATED INOPERATIVE ALS NOTE: CHANGED LPV ADJ FROM 1 TO 7/8 SM AND CHANGED LNAV/VNAV ADJ FROM 1 3/4 TO 1 1/2 SM - NEW VIS CK TOOL.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZSE, SEA APP CON, OTH ATCT, APT MGR

FLIGHT CHECKED BY

DANIEL C FAVORITE

Digitally signed by

DONALD H LANIER

Jan 22, 2020

OFFICE

FICO

DATE

1/17/20

DEVELOPED BY

KELLY DEAN

Digitally signed by

KELLY D DEAN

Nov 26, 2019

OFFICE

AJV-A431

DATE

10/31/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Jan 22, 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	KOTH
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	432453.0245N
LTP/FTP LONGITUDE	1241538.1520W
LTP/FTP ELLIPSOIDAL HEIGHT	-00210
FPAP LATITUDE	432536.6765N
FPAP LONGITUDE	1241351.5660W
THRESHOLD CROSSING HEIGHT (TCH)	00050.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0928
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0D75E05F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00049
FPAP ORTHOMETRIC HEIGHT	+00049

