

**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> ORS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> EASTSOUND	<u>STATE</u> WA
<u>AIRPORT ELEVATION</u> 35	<u>TDZE</u> 35	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>DATED</u> 07/19/2018	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 NOVEMBER 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 17E <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>
CANDL		EASTD		TF	FB	1.00	320.92	6.22	2500
EASTD		APDON		TF	FO	1.00	320.88	6.22	2000
SQURL	IAF	APDON	NOPT	TF	FB	1.00	234.32	7.37	2000
APDON	IF/IAF	CALBI		TF	FB	1.00	194.42	8.42	1900
CALBI	FAF	ZEKIS/1.20 NM TO TALCS		TF	FB	0.30	193.24	3.08	
ZEKIS/1.20 NM TO TALCS		TALCS	MAP	TF	FO	0.30	193.24	1.20	
TALCS	MAP	440 MSL		CA			193.24		440
440 MSL		APDON		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LP: TALCS
LNAV: TALCS

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 440 THEN CLIMBING RIGHT TURN TO 2000 DIRECT APDON AND HOLD.
*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 228 FEET PER NM TO 700.
**MISSED APPROACH REQUIRES MINIMUM CLIMB OF 290 FEET PER NM TO 880.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|--|--------------------|----------------|-----------------------|------------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD N APDON, RT, 194.42 INBOUND, 2000 IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 193.24 | FAF: CALBI | | DIST FAF TO MAP: 4.28 | DIST FAF TO THLD: 5.02 | |
| 4. MIN ALT: APDON 2000, CALBI 1900, ZEKIS/1.20 NM TO TALCS 760 | | | | | |
| 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: IS NOT CLEAR | 20:1: IS CLEAR | TCH: | | |
| 8. MSA FROM: TALCS 4600 | | | | | |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING RWY 34 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FHR ALTIMETER SETTING AND INCREASE ALL MDAS 40 FT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SQURL ON T355 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

FICTITIOUS THRESHOLD POINT (CFRPS) DO NOT CHART.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 30.00 DEGREES.
CALBI TO RW16: 3.48/35
CHART FAS OBST: 249 TREE (53-121487) 484230N/1225507W, 125 TREE (53-120696) 484247N/1225503W.
WAAS CHANNEL # 40038
REFERENCE PATH ID: W16A
FAC CROSSES RWY C/L EXTENDED 4500 FT FROM THLD.
FTP HAE: -18.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A 1100-2, CAT B 1900-2, 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
LP MDA*	380	1	345	380	1	345		NA			NA				
LP MDA	440	1	405	440	1	405		NA			NA				
LNAV MDA**	500	1	465	500	1	465		NA			NA				
LNAV MDA	600	1	565	600	1	565		NA			NA				
CIRCLING	1060	1 1/4	1025	1840	1 1/2	1805		NA			NA				



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED FROM HUH VORTAC TO APDON TO SQURL TO APDON, COURSE/DISTANCE CHANGED FROM 233.28/7.00 TO 234.32/7.37 – VOR MON: HUH VORTAC BEING REPLACED WITH SQURL WP.

2. TERMINAL ROUTES: APDON TO CALBI COURSE DISTANCE CHANGED FROM 194.44/8.33 TO 194.42/8.42 – NEW EVALUATION, CALBI MOVED SOUTHWEST 515 FT TO ALIGN WITH GS/TCH.

3. TERMINAL ROUTES: CALBI TO SEKIS DISTANCE CHANGED FROM 3.16 TO 3.08 – CALBI MOVED 515 FT SOUTHWEST.

4. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 440 THEN CLIMBING RIGHT TURN TO 2000 DIRECT APDON AND HOLD. **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 385 FEET PER NM TO 980.” TO “CLIMB TO 440 THEN CLIMBING RIGHT TURN TO 2000 DIRECT APDON AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 228 FT PER NM TO 700. **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 290 FT PER NM TO 880.” – NEW OBSTACLE EVALUATION/FPT REQUEST TO MAINTAIN LOWER CEILINGS.

5. PROFILE: LINE 2 CHANGED FROM “194.44 INBOUND” TO “194.42 INBOUND” – HOLDING COURSE UPDATED TO ALIGN WITH SEGMENT COURSE.

6. PROFILE: LINE 3 DIST FAF TO MAP: CHANGED FROM 4.36 TO 4.28 – FAF CALBI WP MOVED 515 FT SOUTHWEST.

7. PROFILE: LINE 4 CHANGED FROM “APDON 2000, CALBI 1900, ZEKIS/1.20 NM TO TALCS 720” TO “APDON 2000, CALBI 1900, ZEKIS/1.20 NM TO TALCS 760” – NEW EVALUATION, STEPDOWN ALTITUDE RAISED TO ALIGN WITH FINAL VAA.

8. PBN REQUIREMENTS NOTE: CHANGED “RNP APCH.” TO “RNP APCH – GPS.” – IAW 8260.19J, 8-6-8.B (2).

9. NOTES: DELETED CHART PLANVIEW NOTE “PROCEDURE NA FOR ARRIVAL ON HUH VORTAC AIRWAY RADIALS 149 CW 270.” AND ADDED “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SQURL ON T355 NORTHBOUND.” – HUH VORTAC BEING DECOMMISSIONED AND SQURL TO BE PUBLISHED ON T355, IAW 8260.19J, 8-2-5 E (2).

10. NOTES: CHART NOTE CHANGED FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRIDAY HARBOR ALTIMETER SETTING AND INCREASE ALL MDA 40 FT.” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FHR ALTIMETER SETTING AND INCREASE ALL MDAS 40 FT.” – UPDATED TO NASR ID AND IAW 8260.19J, 8-6-12.N.(1)(A)1.

11. NOTES: CHART NOTE CHANGED FROM “CIRCLING TO RWY 34 NA AT NIGHT.” TO “CIRCLING RWY 34 NA AT NIGHT.” – IAW 8260.19J, 8-6-12.O.(2)(G).

12. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM “173 TREE (53-038433) 484238N/1225500W, 86 SHIP 484413N/1225424W.” TO “CHART FAS OBST: 249 TREE (53-121487) 484230N/1225507W, 125 TREE (53-120696) 484247N/1225503W.” – NEW OBSTACLE EVALUATION.

13. ADDITIONAL FLIGHT DATA: DELETED “CHART CIRCLING ICON” – NO LONGER REQUIRED AND IAW FAA MEMO “REVISED CIRCLING MANEUVERING AREA CRITERIA IMPLEMENTATION PLAN” DATED 09/30/2021.

14. ALTERNATE: CHANGED FROM “CAT A 1100-2, CAT B 1800-2, NA WHEN LOCAL WEATHER NOT AVAILABLE.” TO “CAT A 1100-2, CAT B 1900-2, NA WHEN LOCAL WEATHER NOT AVAILABLE. – UPDATED IAW 8260.3F, 3-4-1.

15. MINIMUMS: LP MDA* MDA/HAT ALL CATS INCREASED FROM 340/305 TO LPA MDA* 380/345 – NEW OBSTACLE EVALUATION.

16. MINIMUMS: LP MDA/HAT ALL CATS INCREASED FROM 400/365 TO 440/405 – NEW OBSTACLE EVALUATION.

17. MINIMUMS: LNAV MDA** MDA/HAT ALL CATS INCREASED FROM 440/405 TO 500/465 – NEW OBSTACLE EVALUATION.

18. MINIMUMS: LNAV MDA/HAT DECREASED ALL CATS FROM 700/665 TO 600/565 – NEW OBSTACLE EVALUATION.

19. MINIMUMS: CIRCLING MDA/HAA CAT A DECREASED FROM 1120/1085 TO 1060/1025 AND CAT B INCREASED FROM 1820/1785 TO 1840/1805 – NEW OBSTACLE EVALUATION.

20. FAS DATA: CRC REMAINDER CHANGED FROM DE994E60 TO 003EFAAB – LTP/FTP LATITUDE/LONGITUDE CHANGED FROM 484254.7780N/1225507.6830W TO 484250.3485N/1225511.5885W AND FPAF LATITUDE/LONGITUDE CHANGED FROM 484137.8560N/ 1225615.4135W TO 484133.3890N/ 1225619.2220W.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: VICTORIA APP CON, NUW APP CON, SEA FSS, ZSE, AMGR

FLIGHT CHECKED BY JAMES L REINEBOLD	Digitally signed by CASIMIR L TABAKA Sep 29, 2025	OFFICE AJF	DATE 09/25/2025	
DEVELOPED BY CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)	Digitally signed by CASIMIR L TABAKA Aug 12, 2025	OFFICE AJV-A432	DATE 04/16/2025	
APPROVED BY CASIMIR L. TABAKA	Digitally signed by CASIMIR L TABAKA Aug 12, 2025	OFFICE AJV-A432	DATE	TITLE MANAGER



AIRPORT ID
ORS

PROCEDURE NAME
RNAV (GPS) RWY 16

ORIGINAL/AMENDMENT
3

CITY
EASTSOUND

STATE
WA

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORS
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	484250.3485N
LTP/FTP LONGITUDE	1225511.5885W
LTP/FTP ELLIPSOIDAL HEIGHT	-00182
FPAP LATITUDE	484133.3890N
FPAP LONGITUDE	1225619.2220W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.48
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
 CRC REMAINDER	 003EFAAB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00034
FPAP ORTHOMETRIC HEIGHT	+00034

