

**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> RLD	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 19	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> RICHLAND	<u>STATE</u> WA		
<u>AIRPORT ELEVATION</u> 394	<u>TDZE</u> 390	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 19	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 11/13/2014	<u>MAG VAR</u> 17E	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 AUGUST 2025	<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>
NIALS		BAKCA		TF	FO	1.00	092.67	14.31	4000
SMITT	IAF	BAKCA	NOPT	TF	FB	1.00	255.45	11.70	4000
BAKCA	IF/IAF	FIXOV		TF	FB	1.00	188.71	7.72	2100
FIXOV	FAF	RW19	MAP	TF	FO	0.30	188.63	5.25	
RW19	MAP	794 MSL		CA			188.64		
794 MSL		BAKCA		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LNAV/VNAV: DA
LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 4000 DIRECT BAKCA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|---|----------------------------|----------------|-----------------------|------------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD N BAKCA, RT, 188.71 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 17500. | | | | | |
| 3. FAC: 188.63 | FAF: FIXOV | | DIST FAF TO MAP: 5.25 | DIST FAF TO THLD: 5.25 | |
| 4. MIN ALT: BAKCA 4000, FIXOV 2100 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 404 HAT: 1.15 | GS ANT: |
| 6. MIN GP INCPT: 2100 | GP ALT AT PFAF: FIXOV 2100 | | OM: | MM: | IM: |
| 7. GP ANGLE: 3.00 | 34:1: IS CLEAR | 20:1: IS CLEAR | TCH: 40.0 | | |
| 8. MSA FROM: RW19 4900 | | | | | |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PSC ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS ON V187 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMITT ON V204 NORTHEAST BOUND.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT BAKCA ON V281 SOUTHEAST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PSC ALTIMETER SETTING AND INCREASE LNAV/VNAV DA TO 814 FEET; INCREASE ALL MDAS 20 FEET AND LNAV VISIBILITY CAT C/D 1/2 SM.
FOR INOPERATIVE ALS INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 1/8 AND LNAV CAT C AND D VISIBILITY TO 2 1/2 SM.

ADDITIONAL FLIGHT DATA:

FAS OBST: 850 AAO 462227N/1191433W.
CHART VDP AT 2.56 NM TO RW19.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1600-3

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
LNAV/VNAV DA	794	1	404	794	1	404	794	1	404	794	1	404			
LNAV MDA	1240	7/8	850	1240	1	850	1240	2	850	1240	2	850			
CIRCLING	1240	1 1/4	846	1240	1 1/4	846	1240	2 1/2	846	1960	3	1566			

CHANGES - REASONS

1. CHANGED FIXOV-RW19 AND RW19-794 MSL COURSE FROM 188.64 TO 188.63 – FIXOV MOVED 5 FT NW
2. ADDED MAX 17500 TO PROFILE LINE 2 – 8260.19J 8-6-7.B.
3. CHANGED PROFILE LINE 3 FAC FROM 188.64 TO 188.63 – FIXOV MOVED 5 FT NW
4. ADDED 404 HAT: 1.15 TO PROFILE LINE 5 – 8260-19J 8-6-7.E.
5. CHANGED 34:1 IS NOT CLEAR TO 34:1 IS CLEAR AND ADDED 20:1 IS CLEAR TO PROFILE LINE 7 – VISUAL SURFACE EVALUATIONS CLEAR
6. ADDED PBN REQUIREMENTS NOTE: RNP APCH – GPS – 8260.19J 8-6-8
7. CHANGED LOW TEMPERATURE ON UNCOMPENSATED BARO-VNAV NOTE FROM -15C TO -12C AND REMOVED FARENHEIT VALUES – NEW TEMERATURE STUDY RESULTS/8260.19J 8-6-10.R.
8. CHANGED CHART NOTE REFERENCES TO PASCO TO READ PSC – 8260.19J 8-6-10.F.
9. REMOVED HELICOPTER VISIBILITY REDUCTION CHART NOTE – 34:1 IS CLEAR
10. CHANGED REMOTE ALTIMETER CHART NOTE FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PASCO ALTIMETER SETTING AND INCREASE ALL DA 21 FEET AND ALL MDA 40 FEET AND INCREASE LNAV CAT A VISIBILITY 1/4 MILE, CAT C AND D 1/2 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PSC ALTIMETER SETTING AND INCREASE LNAV/VNAV DA TO 814 FEET; INCREASE ALL MDAS 20 FEET AND LNAV VISIBILITY CAT C/D 1/2 SM” - 8260.19J 8-6-10.F.
11. REDUCED INOPERATIVE ALS LNAV/VNAV ADJUSTMENTS FROM 1 5/8 SM TO 1 1/8 SM AND REMOVED ALL REMOTE ALTIMETER ADJUSTMENTS – INOPERATIVE TABLE PROVIDES SUFFICIENT INCREASE EXCEPT AS NOTED
12. CHANGED FAS OBST FROM 840 AAO 462228N/1191436W TO 850 AAO 462227N/1191433W – NEW DIGITAL TERRAIN DATA
13. REMOVED *LNAV ONLY FROM VDP NOTE – NOT REQUIRED IN CURRENT CRITERIA
14. ADDED ALTERNATE MINIMUMS CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1600-3 – 8260.3F 3-4-1.
15. REDUCED LNAV/VNAV DA/HAT FROM 861/471 TO 794/404 - NEW OBSTACLE STUDY IN MISSED APPROACH SURFACES
16. REDUCED LNAV/VNAV VISIBILITY FROM 1 3/8 TO 1 – 8260.3F 3-3-2
17. INCREASED LNAV CAT A VISIBILITY FROM 3/4 TO 7/8 - TO MITIGATE PART 77 PRIMARY SURFACE PENETRATION
18. INCREASED CIRCLING CAT D MDA/HAA FROM 1940/1546 TO 1960/1566 - NEW CONTROLLING OBSTACLE



COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

GEG APP CON, ZSE ARTCC, AMGR, PSC ATCT

FLIGHT CHECKED BY

CHRISTOPHER R VANDEVEER

Digitally signed by

ROBERT G HAMILTON

Jun 02, 2025

OFFICE

AJF

DATE

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Apr 10, 2025

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DATE

04/10/2025

APPROVED BY

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Jun 02, 2025

OFFICE

AJV-A432

DATE

TITLE

MANAGER

