

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV/VNAV: DA LNAV: RW19 CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 4000 DIRECT BAKCA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 567 CRANE T 462014N/1191709W 1080 AAO 462338N/1191505W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. CHART VDP AT 1.44 MILES TO RW19* *LNAV ONLY. CHART CIRCLING ICON											
NIALS	BAKCA (FO)	092.67 / 14.31	4000												
SMITT (IAF)	BAKCA (NOPT) (FB)	255.45 / 11.70	4000												
BAKCA (IF/IAF)	FIXOV (FB)	188.71 / 7.72	2100												
FIXOV (FAF)	AYABE/2.20 NM TO RW19 (FB)	188.64 / 3.05													
AYABE/2.20 NM TO RW19	RW19 (MAP) (FO)	188.64 / 2.20													
RW19 (MAP)	900 MSL	188.64	900												
900 MSL	BAKCA (FO)		4000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N BAKCA, RT, 188.71 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>188.64</u> FAF: <u>FIXOV</u> DIST FAF TO MAP: <u>5.25</u> THLD: <u>5.25</u> 4. MIN. ALT: BAKCA 4000, FIXOV 2100, AYABE/2.20 NM TO RW19 1120* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>FIXOV 2100</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW19 4900</u>				MAG VAR: 17E EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A X											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV/VNAV DA **	640	3/4	250	640	3/4	250	640	3/4	250	640	3/4	250			
LNAV MDA **	880	3/4	490	880	3/4	490	880	1 1/8	490	880	1 1/8	490			
CIRCLING	920	1	526	1000	1	606	1200	2 1/4	806	1940	3	1546			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (4F) OR ABOVE 41C (106F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT BAKCA ON V281 SOUTHEAST BOUND. CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 394 TDZE: 390		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
RICHLAND, WA		AIRPORT NAME:		RICHLAND		RNAV		RNAV (GPS) Z RWY 19, AMDT 1, 11/13/2014				AMDT: ORIG-A			
												DATED 5/29/2014			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PASCO ALTIMETER SETTING AND INCREASE ALL DA 21 FEET AND ALL MDA 40 FEET. INCREASE LNAV CATS C AND D VISIBILITY 1/8 MILE AND CIRCLING CAT C 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE AND INCREASE LNAV CAT D VISIBILITY TO 1 3/8 MILE.

CHART NOTE: **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 340 FEET PER NM TO 2000; IF UNABLE TO MEET CLIMB GRADIENT, SEE RNAV (GPS) Y RWY 19.

CHART NOTE: CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS ON V187 NORTHWEST BOUND AND ARRIVALS AT SMITT ON V204 NORTHEAST BOUND.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING PASCO ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALS WHEN USING PASCO ALTIMETER SETTING INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 AND LNAV CATS C AND D TO 1 1/2.

CITY AND STATE

RICHLAND, WA

ELEVATION: 394

TDZE: 390

AIRPORT NAME:

RICHLAND

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 19, AMDT 1, 11/13/2014

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRLDK1FR19-Z	ANIALS	010NIALSK1EA0E	IF						18000		A	JS
SUSAP	KRLDK1FR19-Z	ANIALS	020BAKCAK1EA0EY	020TF		09270143	+	04000				A	JS
SUSAP	KRLDK1FR19-Z	ANIALS	030BAKCAK1EA0EE	AR HF		18870040	+	04000				A	JS
SUSAP	KRLDK1FR19-Z	ASMITT	010SMITT1K1EA0E	A IF					18000			A	JS
SUSAP	KRLDK1FR19-Z	ASMITT	020BAKCAK1EA0EE	B 010TF		25550117	+	04000				A	JS
SUSAP	KRLDK1FR19-Z	R	010BAKCAK1EA0E	I IF					18000			A	JS
SUSAP	KRLDK1FR19-Z	R	020FIXOVK1EA1E	F 051TF		18870077	+	02100			RW19	K1PGA	JS
SUSAP	KRLDK1FR19-Z	R	020FIXOVK1EA2WN		ALNAV/VNAV	ALNAV							JS
SUSAP	KRLDK1FR19-Z	R	021AYABEK1EA0E	S 031TF		18860031	V	0112001130		-300		A	JS
SUSAP	KRLDK1FR19-Z	R	030RW19 K1PG0GY	M 031TF		18860022		00429		-300		A	JS
SUSAP	KRLDK1FR19-Z	R	040	0 M CA		1886	+	00900				A	JS
SUSAP	KRLDK1FR19-Z	R	050BAKCAK1EA0EY	R DF			+	04000				A	JS
SUSAP	KRLDK1FR19-Z	R	060BAKCAK1EA0EE	R HM		18870040	+	04000				A	JS

[illegible][illegible]

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	AIRPORT NAME: RICHLAND				AMDT: ORIG-A
					DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	NIALS	NIALS	010		IF		FB					
	NIALS	BAKCA	020		TF		FO	2.0	092.7 (109.7T)	014.3	AA 04000	
	NIALS	BAKCA	030	IAF	HF	R	FO		188.7 (205.7T)	004.0	AA 04000	
	SMITT	SMITT	010	IAF	IF		FB					
	SMITT	BAKCA	020		TF		FB	1.0	255.5 (272.5T)	011.7	AA 04000	
		BAKCA	010	FACF	IF		FB				AA 04000	
		FIXOV	020	FAF	TF		FB	0.5	188.7 (205.7T)	007.7	AA 02100	
		AYABE	021	SDF	TF		FB	0.3	188.6 (205.6T)	003.1	AA 01120	GS 01130
		RW19	030	MAP	TF		FO	0.3	188.6 (205.6T)	002.2	AT 00429	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		188.6 (205.6T)		AA 00900	
	BAKCA	050		DF	R	FO				AA 04000	
	BAKCA	060		HM	R	FO		188.7 (205.7T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AYABE	N462034.54	W1191643.43	N4620.576	W11916.724
	BAKCA	N463016.84	W1190958.82	N4630.281	W11909.980
	FIXOV	N462319.32	W1191449.24	N4623.322	W11914.821
	NIALS	N463507.32	W1192929.09	N4635.122	W11929.485
	SMITT	N462948.07	W1185303.54	N4629.801	W11853.059
	RW19	N461835.54	W1191805.76	N4618.592	W11918.096

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00389	40

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