

RNAV (RNP) - 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	RNP: DA CLIMB TO 5200 ON TRACK 210.74 TO KARTE, RIGHT TURN TO DAMSE, AND ON TRACK 331.78 TO PAIDS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. DISTANCE TO THLD FROM 350 HAT: 0.93 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH 456.0 MSL (DO NOT CHART)													
AMPLE (IAF)	KADDE (TF) (FB) (RNP 1.00)	066.74 / 16.29	3400														
KADDE (IF)	ODKUE (TF) (FB) (RNP 1.00)	052.49 / 12.38	3200														
ODKUE	ZUDAV (RF) (FB) (RNP 0.50)	(2.77 NM RADIUS CCW (CFFNM))/1.93	2600														
GINLE (IAF)	MOJUY (TF) (FB) (RNP 1.00)	349.54 / 9.80	3200														
MOJUY (IF)	ZUDAV (TF) (FB) (RNP 1.00)	012.80 / 5.00	2600														
(SEE FORM 8260-10)																	
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 14-22																	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HOSEG <u> </u> 3. FAC: <u>210.78</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>HOSEG 1500</u> 5. DIST TO THLD FROM OM: <u>3.28</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>HOSEG 1500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>#54.5</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW21R 4900</u>																	
				MAG VAR: 15E EPOCH YEAR: 2015													
MINIMUMS																	
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>				ALTERNATE: <u>N A</u>													
CATEGORY <u>=====</u>	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		
AUTHORIZATION REQUIRED																	
RNP 0.11 DA	754	3300	350	754	3300	350	754	3300	350	754	3300	350					
RNP 0.30 DA	832	4800	428	832	4800	428	832	4800	428	832	4800	428					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT ODKUE : MAX 180 KIAS. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 410 TDZE: 404				FACILITY IDENTIFIER:				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:				SUP:	
PASCO, WA				AIRPORT NAME:				RNAV				RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014				AMDT: ORIG-B	
				TRI-CITIES												DATED 07/24/2014	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZUDAV	CUGLU (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CCW (CFFPL))/3.22	2300
CITYS (IAF)	HONAG (TF) (FB) (RNP 1.00)	295.94 / 7.53	2500
HONAG (IF)	CUGLU (TF) (FB) (RNP 1.00)	295.84 / 2.50	2300
CUGLU	HOSEG (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CCW (CFFPL))/3.56	1500
WATSY (IAF)	RYENS (TF) (FB) (RNP 1.00)	188.04 / 12.00	2900
RYENS (IF)	GADNE (TF) (FB) (RNP 1.00)	210.91 / 5.37	2500
GADNE	HOSEG (TF) (FB) (RNP 0.50)	210.84 / 5.00	1500
NIALS (IAF)	ZONOP (TF) (FB) (RNP 1.00)	111.18 / 16.01	2600
ZONOP (IF)	WAPMU (TF) (FB) (RNP 1.00)	111.06 / 6.01	2400
WAPMU	HOSEG (RF) (FB) (RNP 0.50)	(2.39 NM RADIUS CW (CFFNR))/4.16	1500
HOSEG (FAF)	RW21R (MAP) (TF) (FO)	210.78 / 3.28	
RW21R (MAP)	KARTE (TF) (FB) (RNP 1.00)	210.74 / 5.76	
KARTE	DAMSE (RF) (FB) (RNP 1.00)	(5.30 NM RADIUS CW (CFFNP))/ 11.21	
DAMSE	PAIDS (TF) (FO) (RNP 1.00)	331.78 / 6.33	5200

NOTES, (CONT.):

CHART PLANVIEW NOTE AT ODKUE : MAX 180 KIAS.

CHART PLANVIEW NOTE AT ZUDAV : MAX 180 KIAS.

CHART PLANVIEW NOTE AT CUGLU : MAX 180 KIAS.

CHART PLANVIEW NOTE AT WAPMU : MAX 180 KIAS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AMPLE ON V4 WESTBOUND AND V520 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GINLE ON V298 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CITYS ON V520 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATSY ON V204 NORTHBOUND AND V357 NORTHWEST BOUND.

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 404

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014

SUP:

AMDT: ORIG-B

DATED: 07/24/2014

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RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS ON V187 NORTHWEST BOUND.
CHART PLANVIEW NOTE AT AMPLE: (RNP 0.50).
CHART PLANVIEW NOTE AT GINLE: (RNP 0.50).
CHART PLANVIEW NOTE AT CITYS: (RNP 0.50).
CHART PLANVIEW NOTE AT WATSY: (RNP 0.50).
CHART PLANVIEW NOTE AT NIALS: (RNP 0.50).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5700 AND RNP 0.30
ALL CATS VISIBILITY TO 1 3/8 MILE.

CITY AND STATE PASCO, WA	ELEVATION: 410 TDZE: 404 AIRPORT NAME: TRI-CITIES	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	SUP:
				AMDT: ORIG-B
				DATED: 07/24/2014

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPSCK1FH21RZ	AAMPLE	010AMPLEKLEA0E	A	IF					18000		A	FS
SUSAP	KPSCK1FH21RZ	AAMPLE	020KADDEK1PC0E	B	010TF			+ 03400				A	FS
SUSAP	KPSCK1FH21RZ	AAMPLE	030ODKUEK1PC0E		010TF			+ 03200		180		A	FS
SUSAP	KPSCK1FH21RZ	AAMPLE	040ZUDAVK1PC0E	L051RF		0027700525	01280019	+ 02600		180	CFNM	K1PCA	FS
SUSAP	KPSCK1FH21RZ	AAMPLE	050CUGLUK1PC0E	L051RF		0024000128	29580032	+ 02300		180	CFPL	K1PCA	FS

SUP:	
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SUSAP	KP	SC	K1FH21RZ	AAMPLE	060HOSEGK1PC0EE	L051RF	0024002958	21080036	+	01500			CFFPL	K1PCA	FS
SUSAP	KP	SC	K1FH21RZ	ACITYS	010CITYSK1EA0E	A IF					18000				A FS
SUSAP	KP	SC	K1FH21RZ	ACITYS	020HONAGK1PC0E	B 010TF				+	02500				A FS
SUSAP	KP	SC	K1FH21RZ	ACITYS	030CUGLUK1PC0E	010TF				+	02300	180			A-FS
SUSAP	KP	SC	K1FH21RZ	ACITYS	040HOSEGK1PC0EE	L051RF	0024002958	21080036	+	01500			CFFPL	K1PCA	FS
SUSAP	KP	SC	K1FH21RZ	AGINLE	010GINLEK1EA0E	A IF					18000				A FS
SUSAP	KP	SC	K1FH21RZ	AGINLE	020MOJUYK1PC0E	B 010TF				+	03200				A FS
SUSAP	KP	SC	K1FH21RZ	AGINLE	030ZUDAVK1PC0E	010TF				+	02600	180			A-FS
SUSAP	KP	SC	K1FH21RZ	AGINLE	040CUGLUK1PC0E	L051RF	0024000128	29580032	+	02300	180		CFFPL	K1PCA	-FS
SUSAP	KP	SC	K1FH21RZ	AGINLE	050HOSEGK1PC0EE	L051RF	0024002958	21080036	+	01500			CFFPL	K1PCA	FS
SUSAP	KP	SC	K1FH21RZ	ANIALS	010NIALSK1EA0E	A IF					18000				A FS
SUSAP	KP	SC	K1FH21RZ	ANIALS	020ZONOPK1PC0E	B 010TF				+	02600				A FS
SUSAP	KP	SC	K1FH21RZ	ANIALS	030WAPMUK1PC0E	010TF				+	02400	180			A-FS
SUSAP	KP	SC	K1FH21RZ	ANIALS	040HOSEGK1PC0EE	R051RF	0023901111	21080042	+	01500			CFFNR	K1PCA	FS
SUSAP	KP	SC	K1FH21RZ	AWATSY	010WATSYK1EA0E	A IF					18000				A FS
SUSAP	KP	SC	K1FH21RZ	AWATSY	020RYENSK1PC0E	B 010TF				+	02900				A FS
SUSAP	KP	SC	K1FH21RZ	AWATSY	030GADNEK1PC0E	010TF				+	02500				A FS
SUSAP	KP	SC	K1FH21RZ	AWATSY	040HOSEGK1PC0EE	051TF				+	01500				A FS
SUSAP	KP	SC	K1FH21RZ	H	020HOSEGK1PC1E	F IF				+	01500	18000		RW21RBK1	PGA FS
SUSAP	KP	SC	K1FH21RZ	H	020HOSEGK1PC2W						A031A112				FS
SUSAP	KP	SC	K1FH21RZ	H	030RW21RK1PGOGY	M 031TF				00456		-300			A FS
SUSAP	KP	SC	K1FH21RZ	H	040KARTEK1PC0E	M 010TF									A FS
SUSAP	KP	SC	K1FH21RZ	H	050DAMSEK1PC0E	R010RF	0053002107	33180112					CFFNP	K1PCA	FS
SUSAP	KP	SC	K1FH21RZ	H	060PAIDSK1EA0EY	010TF				+	05200				A FS
SUSAP	KP	SC	K1FH21RZ	H	070PAIDSK1EA0EE	R HM				09400050	+	05200			A FS

[illegible][illegible]

QUALITY
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CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKED
	AIRPORT NAME:			RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	AMDT: ORIG-B
	TRI-CITIES	RNAV			DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AMPLE	AMPLE	010	IAF	IF		FB					
	AMPLE	KADDE	020		TF		FB	1.0			AA 03400	
	AMPLE	ODKUE	030		TF		FB	1.0			AA 03200	AB 180
	AMPLE	ZUDAV	040		RF	L	FB	0.5		001.9	AA 02600	AB 180
	AMPLE	CUGLU	050		RF	L	FB	0.5		003.2	AA 02300	AB 180
	AMPLE	HOSEG	060		RF	L	FB	0.5		003.6	AA 01500	
	CITYS	CITYS	010	IAF	IF		FB					
	CITYS	HONAG	020		TF		FB	1.0			AA 02500	
	CITYS	CUGLU	030		TF		FB	1.0			AA 02300	AB 180
	CITYS	HOSEG	040		RF	L	FB	0.5		003.6	AA 01500	
	GINLE	GINLE	010	IAF	IF		FB					
	GINLE	MOJUY	020		TF		FB	1.0			AA 03200	
	GINLE	ZUDAV	030		TF		FB	1.0			AA 02600	AB 180
	GINLE	CUGLU	040		RF	L	FB	0.5		003.2	AA 02300	AB 180
	GINLE	HOSEG	050		RF	L	FB	0.5		003.6	AA 01500	
	NIALS	NIALS	010	IAF	IF		FB					
	NIALS	ZONOP	020		TF		FB	1.0			AA 02600	
	NIALS	WAPMU	030		TF		FB	1.0			AA 02400	AB 180
	NIALS	HOSEG	040		RF	R	FB	0.5		004.2	AA 01500	
	WATSY	WATSY	010	IAF	IF		FB					
	WATSY	RYENS	020		TF		FB	1.0			AA 02900	
	WATSY	GADNE	030		TF		FB	1.0			AA 02500	
	WATSY	HOSEG	040		TF		FB	0.5			AA 01500	
	WATSY	HOSEG	020	FAF	IF		FB				AA 01500	
	WATSY	RW21R	030	MAP	TF		FO	0.3			AT 00456	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	KARTE	040		TF		FB	1.0				
	DAMSE	050		RF	R	FB	1.0		011.2		
	PAIDS	060		TF		FO	1.0			AA 05200	
	PAIDS	070		HM	R	FO		094.0 (109.0T)	005.0	AA 05200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMPLE	N460720.29	W1193938.04	N4607.338	W11939.634
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	GINLE	N460126.43	W1190225.31	N4601.441	W11902.422
	NIALS	N463507.32	W1192929.09	N4635.122	W11929.485
	PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
	WATSY	N463643.35	W1184552.88	N4636.723	W11845.881
	CFPNM	N461655.18	W1190128.63	N4616.920	W11901.477

QUALITY
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CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	CHECKED
	TRI-CITIES	RNAV			AMDT: ORIG-B
					DATED: 07/24/2014

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CFFNP	N461556.14	W1191804.68	N4615.936	W11918.078
CFFNR	N462010.55	W1190549.53	N4620.176	W11905.826
CFFPL	N461644.45	W1190100.12	N4616.741	W11901.002
CUGLU	N461833.42	W1185844.46	N4618.557	W11858.741
DAMSE	N461443.73	W1192530.53	N4614.729	W11925.509
GADNE	N462156.60	W1185814.52	N4621.943	W11858.242
HONAG	N461655.40	W1185600.76	N4616.923	W11856.013
HOSEG	N461827.63	W1190324.89	N4618.461	W11903.415
KADDE	N460938.22	W1191626.61	N4609.637	W11916.444
KARTE	N461209.05	W1191244.64	N4612.151	W11912.744
MOJUY	N461112.31	W1190118.35	N4611.205	W11901.306
ODKUE	N461421.42	W1185957.62	N4614.357	W11859.960
RYENS	N462541.05	W1185240.04	N4625.684	W11852.667
WAPMU	N462206.57	W1190347.21	N4622.110	W11903.787
ZONOP	N462538.81	W1191047.91	N4625.647	W11910.799
ZUDAV	N461537.62	W1185756.65	N4615.627	W11857.944
RW21R	N461610.44	W1190648.10	N4616.174	W11906.802

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW21R	00402	55

QUALITY
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CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	SUP: CHECKED
	AIRPORT NAME: TRI-CITIES				AMDT: ORIG-B
					DATED: 07/24/2014