

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 | | | | | | | | | | | | |
| PSC VOR/DME | HILOB (FO) | 299.94 / 13.03 | 3300 | LPV: DA LNAV/VNAV: DA LNAV: RW12 | | | | | | | | | | | |
| PAIDS (IAF) | HILOB (NOPT) (FB) | 032.85 / 6.74 | 3300 | | | | | | | | | | | | |
| PAPPS (IAF) | AIDER (NOPT) (FB) | 076.81 / 13.07 | 6000 | CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3200 DIRECT CITYS AND HOLD. | | | | | | | | | | | |
| AIDER | HILOB (FB) | 077.72 / 8.60 | 3300 | | | | | | | | | | | | |
| NIALS (IAF) | HILOB (NOPT) (FB) | 132.02 / 11.58 | 3300 | ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.44 INBOUND. CHART FAS OBST: 578 BLDG 461649N/1190902W 810 AAO 462121.17N/1191217.36W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.22 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL # 58006 REFERENCE PATH ID: W12A CHART CIRCLING ICON. LTP HAE: 98.8 M | | | | | | | | | | | |
| OLFUS (IAF) | HILOB (NOPT) (FB) | 187.79 / 15.14 | 3300 | | | | | | | | | | | | |
| HILOB (IF/IAF) | FAXAX (FB) | 120.59 / 7.09 | 2200 | | | | | | | | | | | | |
| (SEE FORM 8260-10) | | | | | | | | | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW HILOB, RT, 120.59 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 120.67 FAF: FAXAX DIST FAF TO MAP: <u>5.50</u> THLD: <u>5.50</u> 4. MIN. ALT: HILOB 3300, FAXAX 2200, ZAPOV/2.10 NM TO RW12 1100* 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>2200</u> GS ALT AT: FAXAX 2200 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.8</u> 34:1 IS CLEAR 8. MSA FROM: RW12 4800 | | | | MAG VAR: 15E EPOCH YEAR: 2015 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | ALTERNATE: N A | | STANDARD @ | | | | | | | | | |
| 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 |
| LPV DA | 602 | 3/4 | 200 | 602 | 3/4 | 200 | 602 | 3/4 | 200 | 602 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 755 | 1 1/8 | 353 | 755 | 1 1/8 | 353 | 755 | 1 1/8 | 353 | 755 | 1 1/8 | 353 | | | |
| LNAV MDA | 840 | 1 | 438 | 840 | 1 | 438 | 840 | 1 3/8 | 438 | 840 | 1 3/8 | 438 | | | |
| CIRCLING | 880 | 1 | 470 | 940 | 1 | 530 | 1040 | 1 3/4 | 630 | 1100 | 2 1/4 | 690 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING HERMISTON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING. (SEE FORM 8260-10) | | | | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 410 TDZE: 402 | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | SUP: | | | | | |
| PASCO, WA | | AIRPORT NAME: | | RNAV | | RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014 | | | | AMDT: 1A | | | | | |
| | | TRI-CITIES | | | | | | | | DATED | | 05/05/2011 | | | |

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

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TERMINAL ROUTES, (CONT.):

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|-----------------------|----------------------------|---------------------|----------|
| FAXAX (FAF) | ZAPOV/2.10 NM TO RW12 (FB) | 120.67 / 3.40 | |
| ZAPOV/2.10 NM TO RW12 | RW12 (MAP) (FO) | 120.67 / 2.10 | |
| RW12 (MAP) | 900 MSL | 120.67 | 900 |
| 900 MSL | CITYS (FO) | | 3200 |

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HERMISTON ALTIMETER SETTING: INCREASE ALL DA 95 FEET AND ALL MDA 100 FEET. INCREASE LPV ALL CATS VISIBILITIES 1/8 MILE; LNAV/VNAV ALL CATS VISIBILITIES 3/8 MILE; INCREASE LNAV AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PSC VOR/DME ON V298 EASTBOUND, V204 SOUTH BOUND AND V520 NORTHEAST BOUND.

| | | | | | |
|-----------------------------|----------------|-----------|------------------------------|--|-------------------|
| CITY AND STATE PASCO, WA | ELEVATION: 410 | TDZE: 402 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014 | SUP: |
| | AIRPORT NAME: | | | | AMDT: 1A |
| | TRI-CITIES | | | | DATED: 05/05/2011 |

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KPSC |
| RUNWAY | RW12 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W12A |
| LTP/FTP LATITUDE | 461624.5055N |
| LTP/FTP LONGITUDE | 1190740.6835W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00988 |
| FPAP LATITUDE | 461520.7055N |
| FPAP LONGITUDE | 1190611.0680W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00053.8 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0400 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |

CRC REMAINDER

B01BE36E

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K1 |
| LTP ORTHOMETRIC HEIGHT | +01205 |
| FPAP ORTHOMETRIC HEIGHT | +01205 |

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 402

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014

SUP:

AMDT:

1A

DATED:

05/05/2011

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 PACKET - 424-18 - RNAV (GPS)

| | | | | | | | | | | | | | |
|--------|--|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| NAVAID | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAD | PSC K1010980VDL N46161296W119070227 N46161296W119070227E0150004061 NARPASCO | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|-----------|--|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| WP | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAEENRT | AIDER K10 W N46254955W119324784 E0153 NAR AIDER | | | | | | | | | | | | |
| SUSAEENRT | CITYS K10 C L N46115967W118474853 E0150 NAR CITYS | | | | | | | | | | | | |
| SUSAEENRT | FAXAX K10 W N46202052W119131295 E0152 NAR FAXAX | | | | | | | | | | | | |
| SUSAEENRT | HILOB K10 W N46252438W119202244 E0152 NAR HILOB | | | | | | | | | | | | |
| SUSAEENRT | NIALS K10 C L N46350732W119292909 E0153 NAR NIALS | | | | | | | | | | | | |
| SUSAEENRT | OLFUS K10 C L N46392193W119115368 E0152 NAR OLFUS | | | | | | | | | | | | |
| SUSAEENRT | PAIDS K10 C L N46205331W119273592 E0152 NAR PAIDS | | | | | | | | | | | | |
| SUSAEENRT | PAPPS K10 C L N46261581W119514078 E0154 NAR PAPPS | | | | | | | | | | | | |
| SUSAEENRT | ZAPOV K10 W N46175470W119094751 E0151 NAR ZAPOV | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---------|--|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| AIRPORT | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KPSC1APSC 0 077YHN46155290W119070850E015000410 1800018000C MNAR TRI-CITIES | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---------|--|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| SEGMENT | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y ANIALS 010NIALSK1EA0E A IF 18000 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y ANIALS 020HILOBK1EA0EE B 010TF 13200116 + 03300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y AOLFUS 010OLFUSK1EA0E A IF 18000 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y AOLFUS 020HILOBK1EA0EE B 010TF 18780151 + 03300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APAIDS 010PAIDSK1EA0E A IF 18000 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APAIDS 020HILOBK1EA0EE B 010TF 03290067 + 03300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APAPPS 010PAPPSK1EA0E A IF 18000 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APAPPS 020AIDERK1EA0E 010TF 07680131 + 06000 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APAPPS 030HILOBK1EA0EE B 010TF 07770086 + 03300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APSC 010PSC K1D 0V IF 18000 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APSC 020HILOBK1EA0EY 020TF 29990130 + 03300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y APSC 030HILOBK1EA0EE AR HF 12060040 + 03300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y R 010HILOBK1EA0E I IF 18000 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y R 020FAXAKK1EA1E F 051TF 12060071 + 02200 RW12 AK1PGA JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y R 020FAXAKK1EA2WALPV ALNAV/VNAV ALNAV JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y R 021ZAPOVK1EA0E S 031TF 12070034 V 0110001118 -300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y R 030RW12 K1PGOGY M 031TF 12070021 00449 -300 A JS | | | | | | | | | | | | |
| SUSAP | KPSC1FR12-Y R 040 0 M CA 1207 + 00900 A JS | | | | | | | | | | | | |

| | | | | |
|------------------------------------|--|----------------------|--|--------------------------|
| CITY AND STATE PASCO, WA | ELEVATION: 410 TDZE: 402 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
| | AIRPORT NAME: TRI-CITIES | RNAV | RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014 | AMDT: 1A |
| | | | | DATED: 05/05/2011 |

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A JS
A JS

SUSAP KPSCCK1GRW12 0077031207 N46162451W119074068+0100 +0098800396000054150R

SUSAP KPSCCK1PR12-Y RW12 001Y0000W12A0N4616245055W11907406835+009880300N4615207055W11906110680106750400000538F400350B01BE36E
SUSAP KPSCCK1PR12-Y RW12 002E +01205+01205LPV 58006

SUSAP KPSCCK1SRW12 K1PGA 0 18018004825

M

| | |
|--------|------------|
| SUP: | |
| AMDT: | 1A |
| DATED: | 05/05/2011 |

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 | IAF | IF | | FB | | | | | |
| | NIALS | HILOB | 020 | | TF | | FB | 1.0 | 132.0 (147.0T) | 011.6 | AA 03300 | |
| | OLFUS | OLFUS | 010 | IAF | IF | | FB | | | | | |
| | OLFUS | HILOB | 020 | | TF | | FB | 1.0 | 187.8 (202.8T) | 015.1 | AA 03300 | |
| | PAIDS | PAIDS | 010 | IAF | IF | | FB | | | | | |
| | PAIDS | HILOB | 020 | | TF | | FB | 1.0 | 032.9 (047.9T) | 006.7 | AA 03300 | |
| | PAPPS | PAPPS | 010 | IAF | IF | | FB | | | | | |
| | PAPPS | AIDER | 020 | | TF | | FB | 1.0 | 076.8 (091.8T) | 013.1 | AA 06000 | |
| | PAPPS | HILOB | 030 | | TF | | FB | 1.0 | 077.7 (092.7T) | 008.6 | AA 03300 | |
| | PSC | PSC | 010 | | IF | | FB | | | | | |
| | PSC | HILOB | 020 | | TF | | FO | 2.0 | 299.9 (314.9T) | 013.0 | AA 03300 | |
| | PSC | HILOB | 030 | IAF | HF | R | FO | | 120.6 (135.6T) | 004.0 | AA 03300 | |
| | | HILOB | 010 | FACF | IF | | FB | | | | AA 03300 | |
| | | FAXAX | 020 | FAF | TF | | FB | 0.5 | 120.6 (135.6T) | 007.1 | AA 02200 | |
| | | ZAPOV | 021 | SDF | TF | | FB | 0.3 | 120.7 (135.7T) | 003.4 | AA 01100 | GS 01118 |
| | | RW12 | 030 | MAP | TF | | FO | 0.3 | 120.7 (135.7T) | 002.1 | AT 00449 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE | SPEED |
|-----------------|-------|-----|-----|------|------|-------|-----|----------------|----------|----------|-------|
| | | 040 | | CA | | FB | | 120.7 (135.7T) | | AA 00900 | |
| | CITYS | 050 | | DF | L | FO | | | | AA 03200 | |
| | CITYS | 060 | | HM | R | FO | | 272.4 (287.4T) | 004.0 | AA 03200 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|------------|----------|-------------|--------------|-------------|--------------|
| | PSC | N461612.96 | W1190702.27 | N4616.216 | W11907.038 |
| | AIDER | N462549.55 | W1193247.84 | N4625.826 | W11932.797 |
| | CITYS | N461159.67 | W1184748.53 | N4611.995 | W11847.809 |
| | FAXAX | N462020.52 | W1191312.95 | N4620.342 | W11913.216 |
| | HILOB | N462524.38 | W1192022.44 | N4625.406 | W11920.374 |
| | NIALS | N463507.32 | W1192929.09 | N4635.122 | W11929.485 |
| | OLFUS | N463921.93 | W1191153.68 | N4639.366 | W11911.895 |
| | PAIDS | N462053.31 | W1192735.92 | N4620.889 | W11927.599 |
| | PAPPS | N462615.81 | W1195140.78 | N4626.264 | W11951.680 |
| | ZAPOV | N461754.70 | W1190947.51 | N4617.912 | W11909.792 |
| | RW12 | N461624.51 | W1190740.68 | N4616.409 | W11907.678 |

| RUNWAY DATA | THRESHOLD | ELEVATION | TCH |
|-------------|-----------|-----------|-----|
| RWY | | | |
| RW12 | 00396 | | 54 |

| | | | | | |
|------------------------------------|-----------------------|-------------------|----------------------|--|--------------------------|
| CITY AND STATE PASCO, WA | ELEVATION: 410 | TDZE: 402 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
| | AIRPORT NAME: | TRI-CITIES | RNAV | RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014 | AMDT: 1A |
| | | | | | DATED: 05/05/2011 |