| Flight Procedure Tracking Form | Action: FLIGHT CHECK | Task Type: SID | Date Open: 03/30/2010 | Task #: 2010032621781502004 | Request #: 20100326217815 |
|---|---|---|---|---|---|
| **Procedure:** SID PUYVO (RNAV) ONE FAIRBANKS AK PAFA | | Airport ID: PAFA | **Airport:** FAIRBANKS INTL | | Reimbursable #: |
| **City:** FAIRBANKS | **ST:** AK | GPS #: | | Estimated Chart Date: 09/20/2012 | FICO #: |
| Fac ID: | Fac. Type: RDCTR | **Specialist:** CATHERINE CHILDRESS | | | |

## Procedure Review

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| **Lead:** | 12/30/2011 | 04/11/2012 | STEVEN SZUKALA | |
| **QA:** | 04/11/2012 | 04/11/2012 | STEVEN SZUKALA | |
| **Liaison:** | 04/11/2012 | | Alfonso | |

**Procedure Comments:** ENROUTE **Remark Type:** INFORMATION

Pkg 3 of 3

FAIRBANKS, AK FAIRBANKS INTL (PAFA) PUYVO ONE (SID) ENROUTE-YES FC: 7.24.12 PUB: 9.20.12

ATTACHED FORMS: 8260-15B; 8260-15C; 8260-2(S): HARRP, ORIG; JIPEN, REV 1; PUYVO-INT, REV 3.

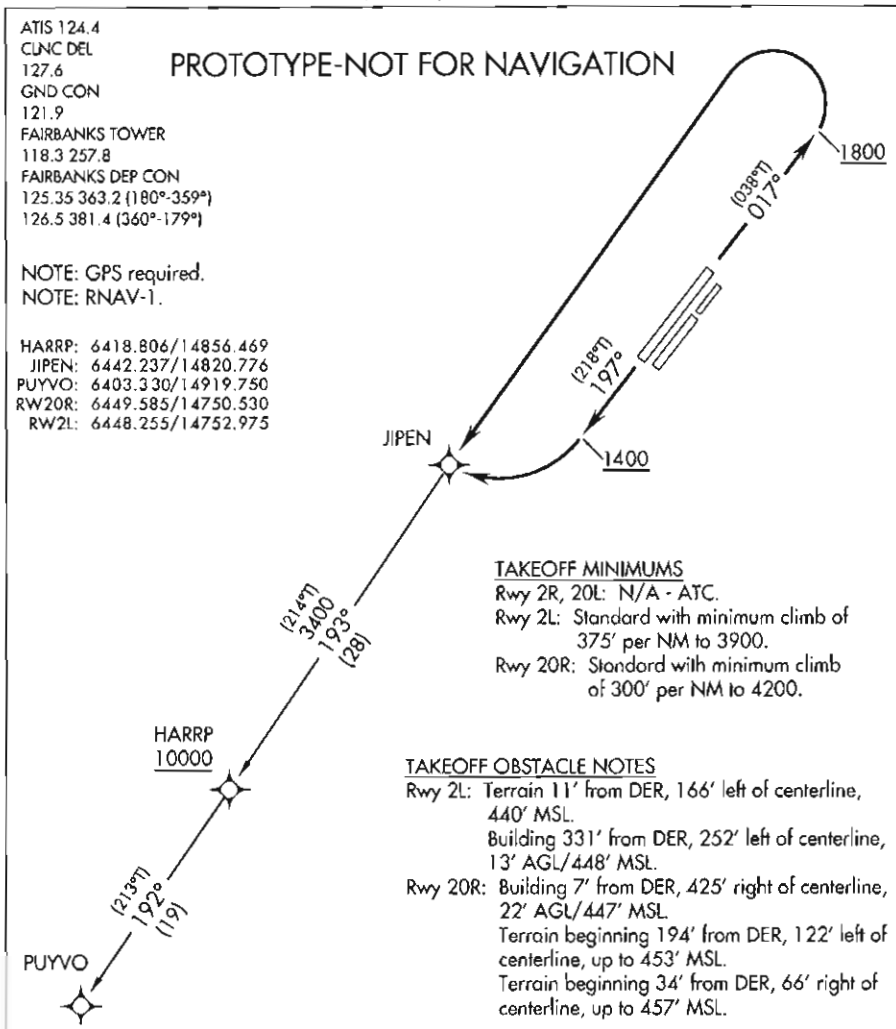
CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079:

ATIS 124.4
CLNC DEL
127.6
GND CON
121.9
FAIRBANKS TOWER
118.3 257.8
FAIRBANKS DEP CON
125.35 363.2 (180°-359°)
126.5 381.4 (360°-179°)

NOTE: GPS required.
NOTE: RNAV-1.

HARRP: 6418.806/14856.469
JIPEN: 6442.237/14820.776
PUYVO: 6403.330/14919.750
RW20R: 6449.585/14750.530
RW2L: 6448.255/14752.975

PROTOTYPE-NOT FOR NAVIGATION




TAKEOFF MINIMUMS
Rwy 2R, 20L: N/A - ATC.
Rwy 2L: Standard with minimum climb of 375′ per NM to 3900.
Rwy 20R: Standard with minimum climb of 300′ per NM to 4200.

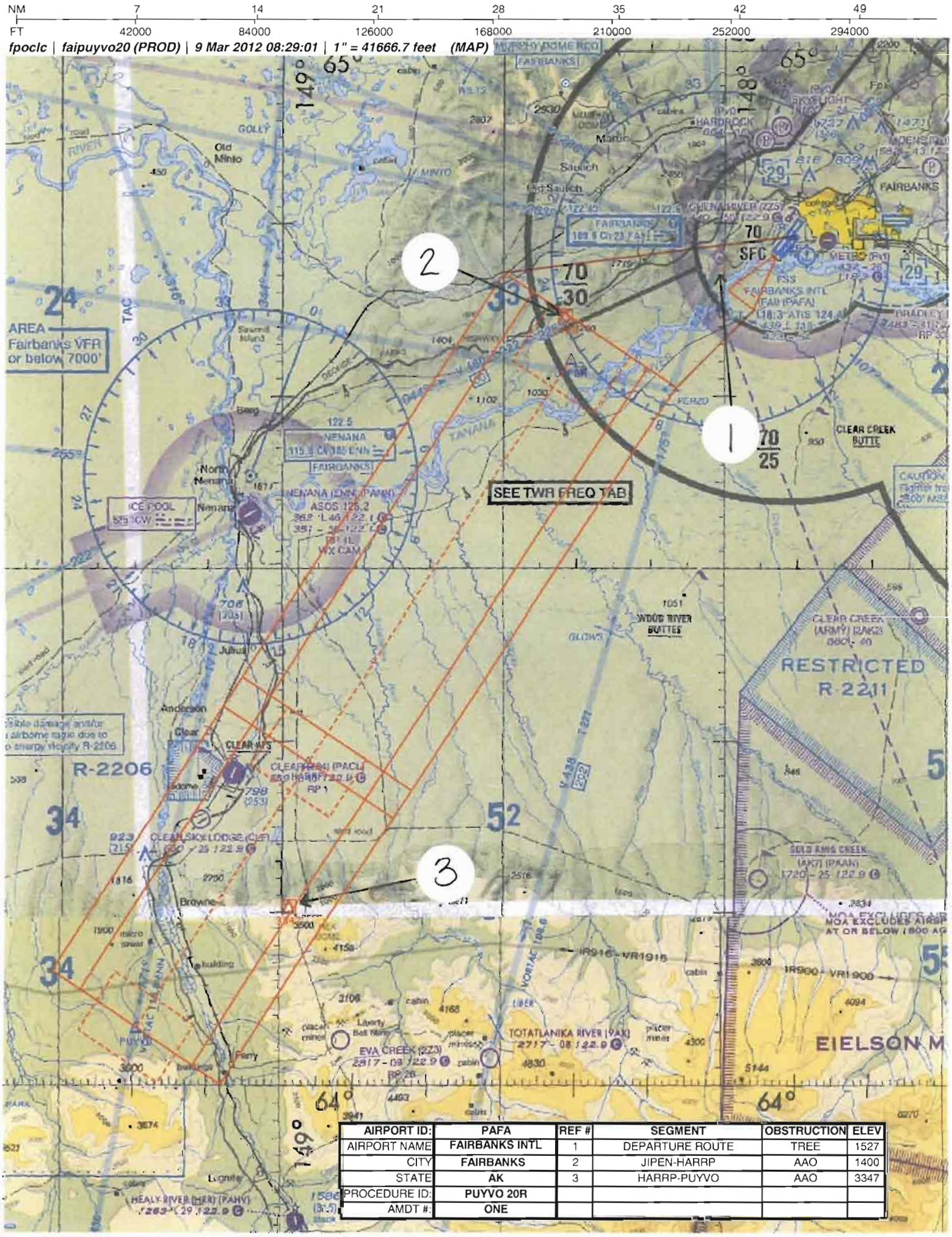
TAKEOFF OBSTACLE NOTES
Rwy 2L: Terrain 11′ from DER, 166′ left of centerline, 440′ MSL.
Building 331′ from DER, 252′ left of centerline, 13′ AGL/448′ MSL.
Rwy 20R: Building 7′ from DER, 425′ right of centerline, 22′ AGL/447′ MSL.
Terrain beginning 194′ from DER, 122′ left of centerline, up to 453′ MSL.
Terrain beginning 34′ from DER, 66′ right of centerline, up to 457′ MSL.

NOTE: Chart not to scale.

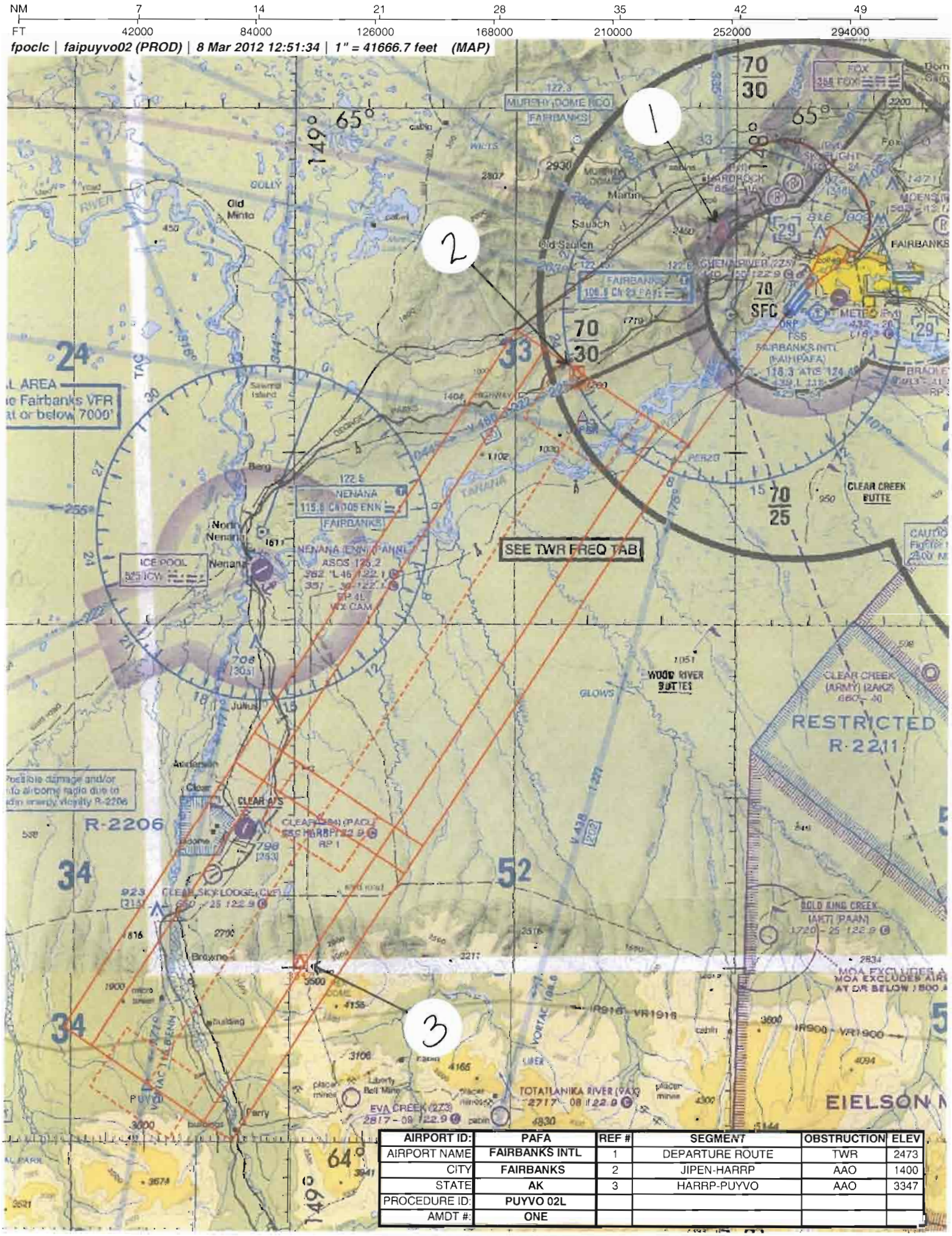
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2L: Climb heading 017° to at or above 1800, then climbing left turn direct JIPEN.
TAKEOFF RUNWAY 20R: Climb heading 197° to at or above 1400, then climbing right turn direct JIPEN.

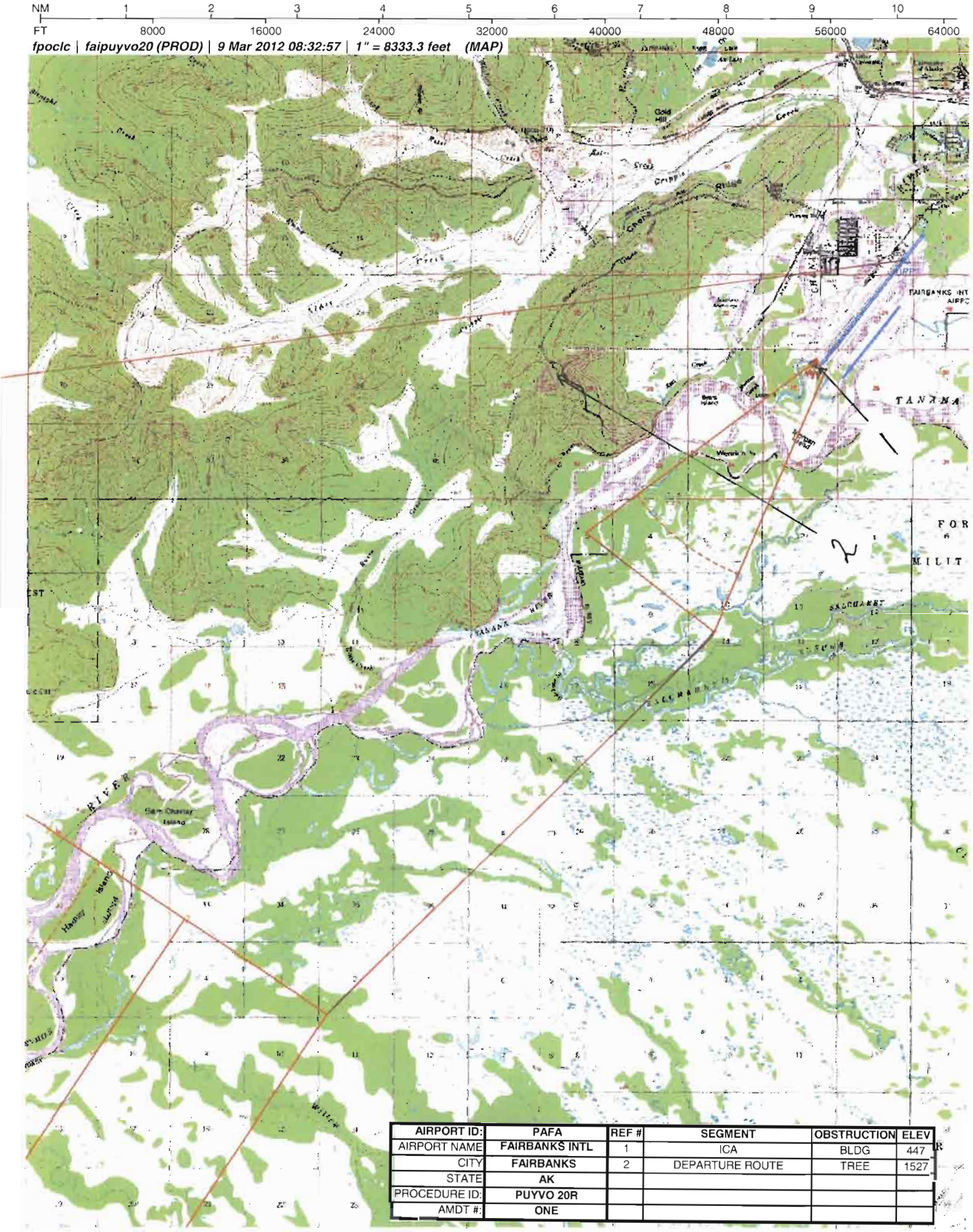
PUYVO TRANSITION (PUYVO1.PUYVO)



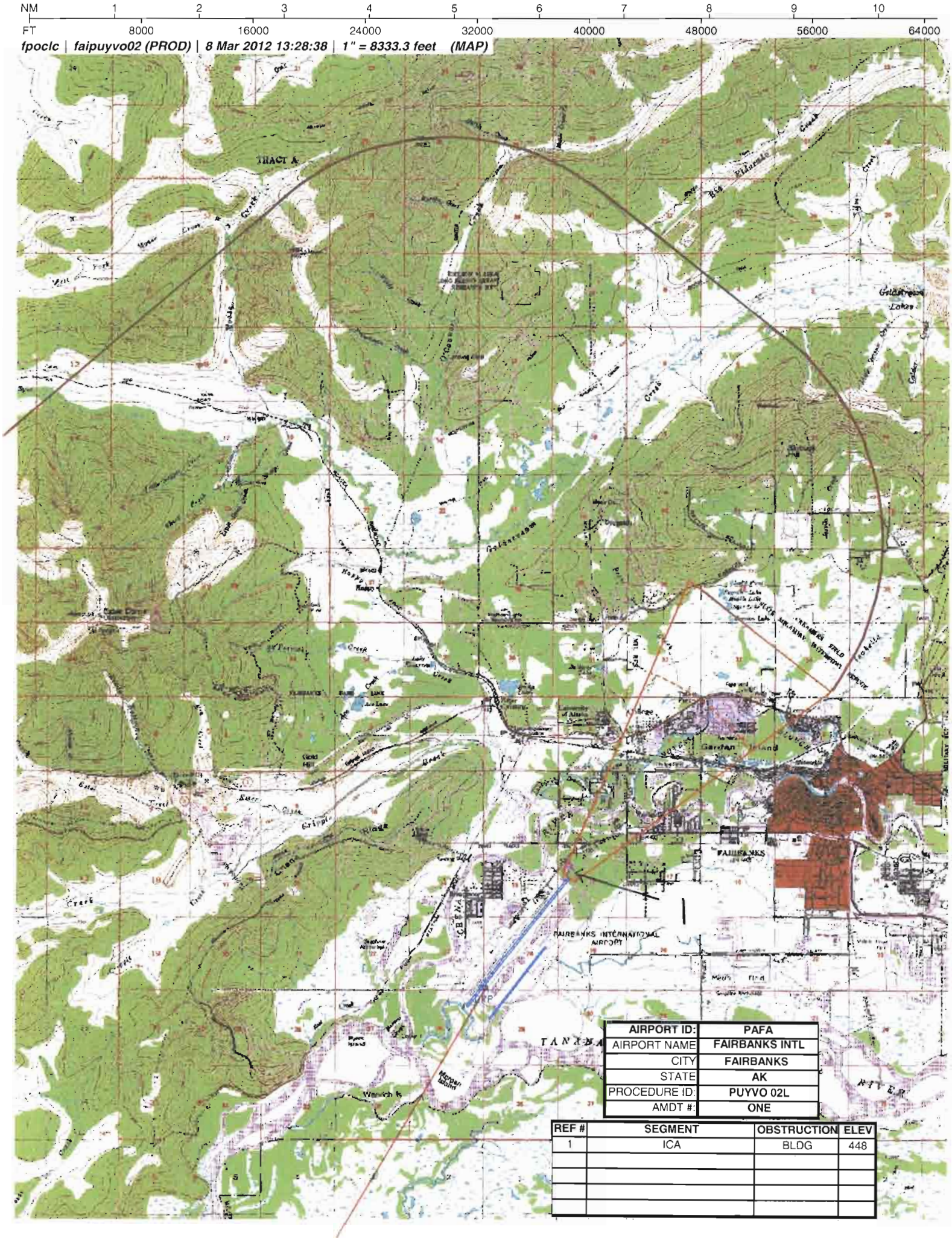

| AIRPORT ID: | PAFA | REF # | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|---|---|
| AIRPORT NAME | FAIRBANKS INTL | 1 | DEPARTURE ROUTE | TREE | 1527 |
| CITY | FAIRBANKS | 2 | JIPEN-HARRP | AAO | 1400 |
| STATE | AK | 3 | HARRP-PUYVO | AAO | 3347 |
| PROCEDURE ID: | PUYVO 20R | | | | |
| AMDT #: | ONE | | | | |




| AIRPORT ID: | PAFA | REF # | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|---|---|
| AIRPORT NAME | FAIRBANKS INTL | 1 | DEPARTURE ROUTE | TWR | 2473 |
| CITY | FAIRBANKS | 2 | JIPEN-HARRP | AAO | 1400 |
| STATE | AK | 3 | HARRP-PUYVO | AAO | 3347 |
| PROCEDURE ID: | PUYVO 02L | | | | |
| AMDT #: | ONE | | | | |




| AIRPORT ID: | PAFA | REF # | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|---|---|
| AIRPORT NAME | FAIRBANKS INTL | 1 | ICA | BLDG | 447 |
| CITY | FAIRBANKS | 2 | DEPARTURE ROUTE | TREE | 1527 |
| STATE | AK | | | | |
| PROCEDURE ID: | PUYVO 20R | | | | |
| AMDT #: | ONE | | | | |




| AIRPORT ID: | PAFA |
|---|---|
| AIRPORT NAME | FAIRBANKS INTL |
| CITY | FAIRBANKS |
| STATE | AK |
| PROCEDURE ID: | PUYVO 02L |
| AMDT #: | ONE |

| REF # | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|
| 1 | ICA | BLDG | 448 |
| | | | |
| | | | |
| | | | |
| | | | |

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

# GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| PUYVO | ONE | PUYVO1.PUYVO | NONE | | |

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 2L: CLIMB HEADING 017.05 TO AT OR ABOVE 1800, THEN CLIMBING LEFT TURN DIRECT JIPEN.

TAKEOFF RWY 20R: CLIMB HEADING 197.08 TO AT OR ABOVE 1400, THEN CLIMBING RIGHT TURN DIRECT JIPEN.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

| Transition Name | Transition Computer Codes | From FIX/NAVAID | To FIX/NAVAID | Course | Distance | MEA | MOCA | Crossing Altitudes/Fixes |
|---|---|---|---|---|---|---|---|---|
| PUYVO | PUYVO1.PUYVO | JIPEN | HARRP | 192.55 | 28.12 | 3400 | | AT/ABOVE 10000 |
| | | HARRP | PUYVO | 192.44 | 18.57 | | | |

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

NOTE: GPS REQUIRED.
NOTE: RNAV-1.
RWY 2R, 20L, N/A – ATC.
RWY 2L STANDARD WITH MINIMUM CLIMB OF 375 FT PER NM TO 3900.
RWY 20R STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 4200.

**TAKEOFF OBSTACLES NOTES:**

NOTE: RWY 2L, TERRAIN 11 FT FROM DER, 166 FT LEFT OF CENTERLINE, 440 FT MSL. BUILDING 331 FT FROM DER, 252 FT LEFT OF CENTERLINE, 13 FT AGL/448 FT MSL.
NOTE: RWY 20R, BUILDING 7 FT FROM DER, 425 FT RIGHT OF CENTERLINE, 22 FT AGL/447 FT MSL. TERRAIN BEGINNING 194 FT FROM DER, 122 FT LEFT OF CENTERLINE, UP TO 453 FT MSL. TERRAIN BEGINNING 34 FT FROM DER, 66 FT RIGHT OF CENTERLINE, UP TO 457 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 2L, 20R: 1400 MSL AAO 644419.20N/1482129.10W, 3347 MSL AAO 640954.00N/1485900.00W, 2473 MSL TOWER 645242.00N/1480144.00W, 1527 MSL TREE 644759.09N/1480035.92W.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: PAFA 21E EPOCH YR: 2010
DME/DME ASSESSMENT: NOT CONDUCTED.

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

# GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| PUYVO | ONE | PUYVO1.PUYVO | NONE | | |

**AIRPORTS SERVED:**

FAIRBANKS INTL, FAIRBANKS, AK

**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CON, FAIRBANKS TWR, FAIRBANKS DEP CON

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

# GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| PUYVO | ONE | PUYVO1.PUYVO | NONE | | |

**FLIGHT INSPECTED BY:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

CATHERINE L. CHILDRESS AJV-354 03/01/2012

**APPROVED BY:**

DEZ SILAGYI AJV-354

**COORDINATED WITH:**

ATA, ALPA, APA, AOPA, NBAA, ZAN, FAI APP CON, AMGR

**CHANGES:**

ORIGINAL PROCEDURE

**REASONS:**

QUALITY CHECKED

# DEPARTURE (DATA RECORD)

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| PUYVO | ONE | PUYVO1.PUYVO | NONE | | |

| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| RWY 02L (AER)* | 644815.29N/1475258.51W* | N | - | - | - | - | | | CG 375 FT/PER NM TO 3900<br>*DISPL THLD (750 FT) |
| 1800 MSL | - | - | - | VA | 038.05 | - | | | |
| JIPEN | 644214.21N/1482046.57W | Y | FB | DF | - | - | | | LEFT TURN |
| RWY 20R (AER)* | 644935.10N/1475031.82W* | N | - | - | - | - | | | CG 300 FT/PER NM TO 4200<br>*DISPL THLD (750 FT) |
| 1400 MSL | - | - | - | VA | 218.08 | - | | | |
| JIPEN | 644214.21N/1482046.57W | Y | FB | DF | - | - | | | RIGHT TURN |
| JIPEN | 644214.21N/1482046.57W | Y | - | IF | - | - | | | PUYVO1.PUYVO |
| HARRP | 641848.37N/1485628.12W | Y | FB | TF | 213.55 | 28.12 | AT/ABOVE 10000 | | |
| PUYVO | 640319.80N/1491945.00W | Y | FB | TF | 213.44 | 18.57 | | | |

QUALITY 4 CHECKED

# DEPARTURE (DATA RECORD)

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| PUYVO RNAV | ONE | PUYVO1.PUYVO | NONE | | |

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SCANEAENRT   HARRP PA0     W     N64184837W148562812                    E0195     NAR           HARRP
         SCANEAENRT   JIPEN PA0     W     N64421421W148204657                    E0199     NAR           JIPEN
         SCANEAENRT   PUYVO PA0     C   B N64031980W149194500                    E0193     NAR           PUYVO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SCANP PAFAPAAFAI      0     118YHN64485440W147512321E021000439         1800018000C    MNAR    FAIRBANKS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SCANP PAFAPADPUYVO14RW02L 010         0        VA                    0171        + 01800     18000
         SCANP PAFAPADPUYVO14RW02L 020JIPENPAEA0EE  L010DF
         SCANP PAFAPADPUYVO14RW20R 010         0        VA                    1971        + 01400     18000
         SCANP PAFAPADPUYVO14RW20R 020JIPENPAEA0EE   010DF
         SCANP PAFAPADPUYVO16PUYVO 010JIPENPAEA0E      IF                                              18000
         SCANP PAFAPADPUYVO16PUYVO 020HARRPPAEA0E    010TF                    19260281    + 10000
         SCANP PAFAPADPUYVO16PUYVO 030PUYVOPAEA0EE   010TF                    19240186

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SCANP PAFAPAGRW02L   0118000171 N64481529W147525851+0000    +014240043607505815OIICNA3
         SCANP PAFAPAGRW20R   0118001971 N64493510W147503182+0000    +014330043907505615OIIFAI1
```

QUALITY 1 CHECKED

# DEPARTURE (DATA RECORD)

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| PUYVO RNAV | ONE | PUYVO1.PUYVO | NONE | | |

ARINC SUMMARY - 424-18 - SID

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RW02L | | 010 | | VA | | FB | | 017.1() | | AA 01800 | |
| | RW02L | JIPEN | 020 | | DF | L | FB | 1.0 | | | | |
| | RW20R | | 010 | | VA | | FB | | 197.1() | | AA 01400 | |
| | RW20R | JIPEN | 020 | | DF | | FB | 1.0 | | | | |
| | PUYVO | JIPEN | 010 | | IF | | FB | | | | | |
| | PUYVO | HARRP | 020 | | TF | | FB | 1.0 | 192.6() | 028.1 | AA 10000 | |
| | PUYVO | PUYVO | 030 | | TF | | FB | 1.0 | 192.4() | 018.6 | | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | HARRP | N641848.37 | W1485628.12 | N6418.806 | W14856.469 |
| | JIPEN | N644214.21 | W1482046.57 | N6442.237 | W14820.776 |
| | PUYVO | N640319.80 | W1491945.00 | N6403.330 | W14919.750 |
| | RW02L | N644815.29 | W1475258.51 | N6448.255 | W14752.975 |
| | RW20R | N644935.10 | W1475031.82 | N6449.585 | W14750.530 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW02L | 00436 | 58 |
| | RW20R | 00439 | 56 |

QUALITY 1 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HARRP **STATE:** AK **COUNTRY:** US

**LATITUDE/LONGITUDE:** 641848.37N/1485628.12W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** ESTABLISH

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | PUYVO (RNAV) | | | PAFA | FAIRBANKS | AK (US) |

**REQUIRED CHARTING:** DP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 07/26/2012

**DEVELOPED BY:** **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

**APPROVED BY:** **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZAN
**ATC FACILITY:** FAI APP CON
**OTHER:**

QUALITY A CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** JIPEN **STATE:** AK **COUNTRY:** US

**LATITUDE/LONGITUDE:** 644214.21N/1482046.57W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | PUYVO (RNAV) | | | PAFA | FAIRBANKS | AK (US) |
| IAP | RNAV (GPS) RWY 2L | | | PAFA | FAIRBANKS | AK (US) |

**REQUIRED CHARTING:** DP, IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
ADDED DP TO REQUIRED CHARTING.

**DEVELOPED BY:** **DATE:** 07/10/2012 **OFFICE:** AJV-354 **NAME:** LONNIE EVERHART

**APPROVED BY:** **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZAN
**ATC FACILITY:** FAI ATCT
**OTHER:**

QUALITY CHECKED 1

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PUYVO **STATE:** AK **COUNTRY:** US

**LATITUDE/LONGITUDE:** 640319.80N/1491945.00W **TYPE:** WP, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FAIRBANKS | FAI | VORTAC | H | 197.00 | 218.00 | 56.42 | 56.42 | | 5000 | 17500 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| FAI | VORTAC | R-197 | 56 | 5000 | 16000 |

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**
WP ON J125 AND V436 CENTERLINE.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | MCKINLEY | 1 | | PAFA | FAIRBANKS | AK (US) |
| DP | PUYVO (RNAV) | | | PAFA | FAIRBANKS | AK (US) |
| STAR | KROTO (RNAV) | | | PANC | ANCHORAGE | AK (US) |

**REQUIRED CHARTING:** DP, STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 3 **DATE OF REVISION:** 07/26/2012

**REASON FOR REVISION:**
ADDED ENROUTE LOW TO REQUIRED CHARTING.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 03/02/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

**APPROVED BY:** **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZAN
**ATC FACILITY:** FAI APP CON
**OTHER:**