| Flight Procedure Tracking Form | Action: FLIGHT CHECK | Task Type: IAP | Date Open: 04/05/2010 | Task #: 2010040520866401001 | Request #: 20100405208664 |
|---|---|---|---|---|---|
| **Procedure:** RNAV (GPS)-A AMDT 1 | | Airport ID: KPSO | **Airport:** STEVENS FIELD | | Reimbursable #: |
| **City:** PAGOSA SPRINGS | **ST:** CO | GPS #: | Estimated Chart Date: 09/20/2012 | | FICO #: |
| **Fac ID:** | **Fac. Type:** LNAV | **Specialist:** DAVID JENNER | | | |

## Procedure Review

P3

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| **Lead:** | 02/03/2012 | 05/11/2012 | KYLE THOMPSON | |
| **QA:** | 05/11/2012 | 05/16/2012 | STEVEN SZUKALA | |
| **Liaison:** | 05/16/2012 | | Alfonso | |

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

pkg 1 of 1

PAGOSA SPRINGS, CO STEVENS FIELD (KPSO) RNAV (GPS)-A, AMDT 1 ENROUTE-YES FC: 8.7.12 PUB: 9.20.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): BRAZO-INT, REV 2; COKRI-INT, REV 2; DUGNE, REV 1; FEMAD-INT, REV 1.

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

# RNAV (GPS)-A

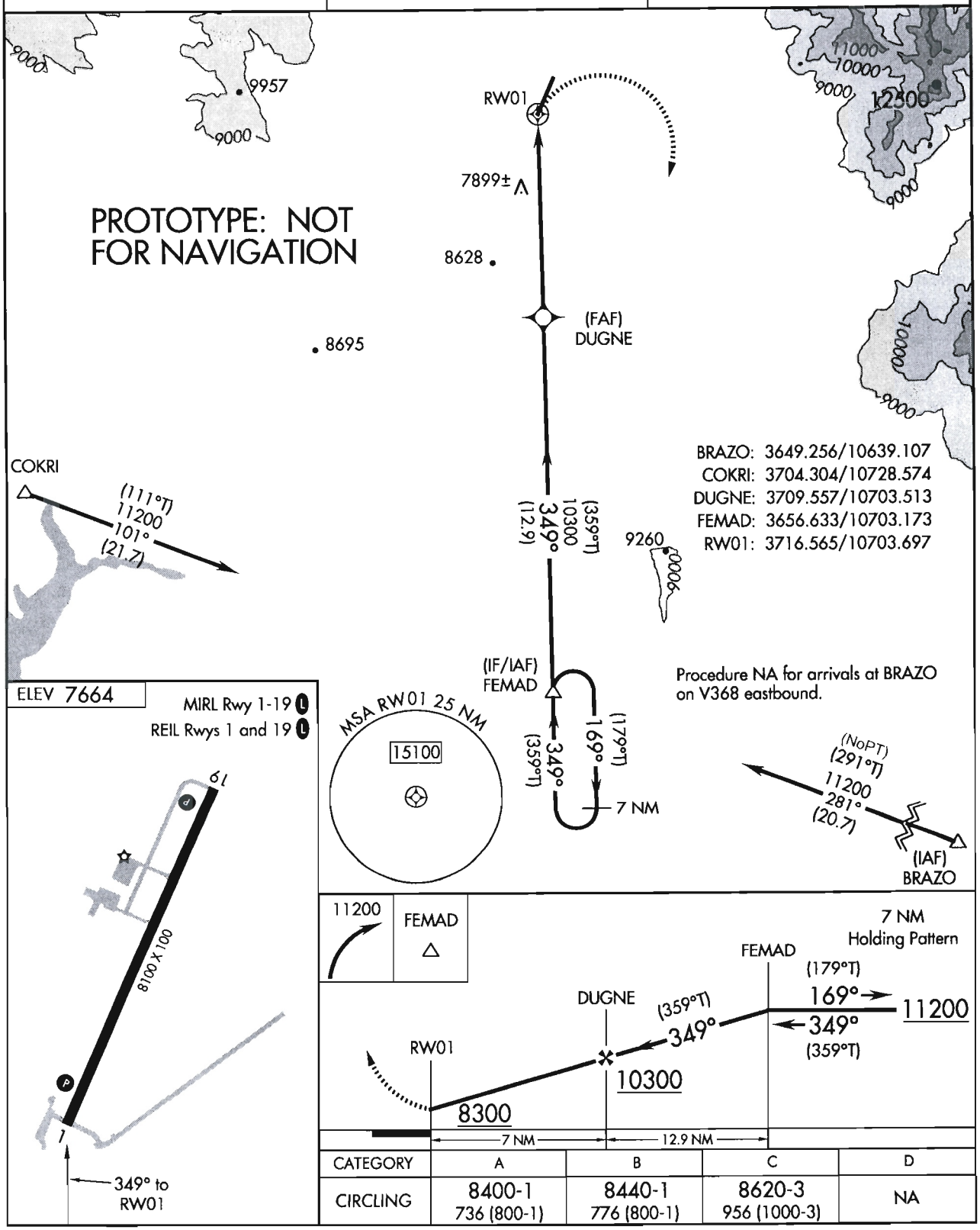
## PAGOSA SPRINGS / STEVENS FIELD (PSO)

| APP CRS | Rwy Idg | N/A |
|---|---|---|
| 349° | TDZE | N/A |
| | Apt Elev | 7664 |

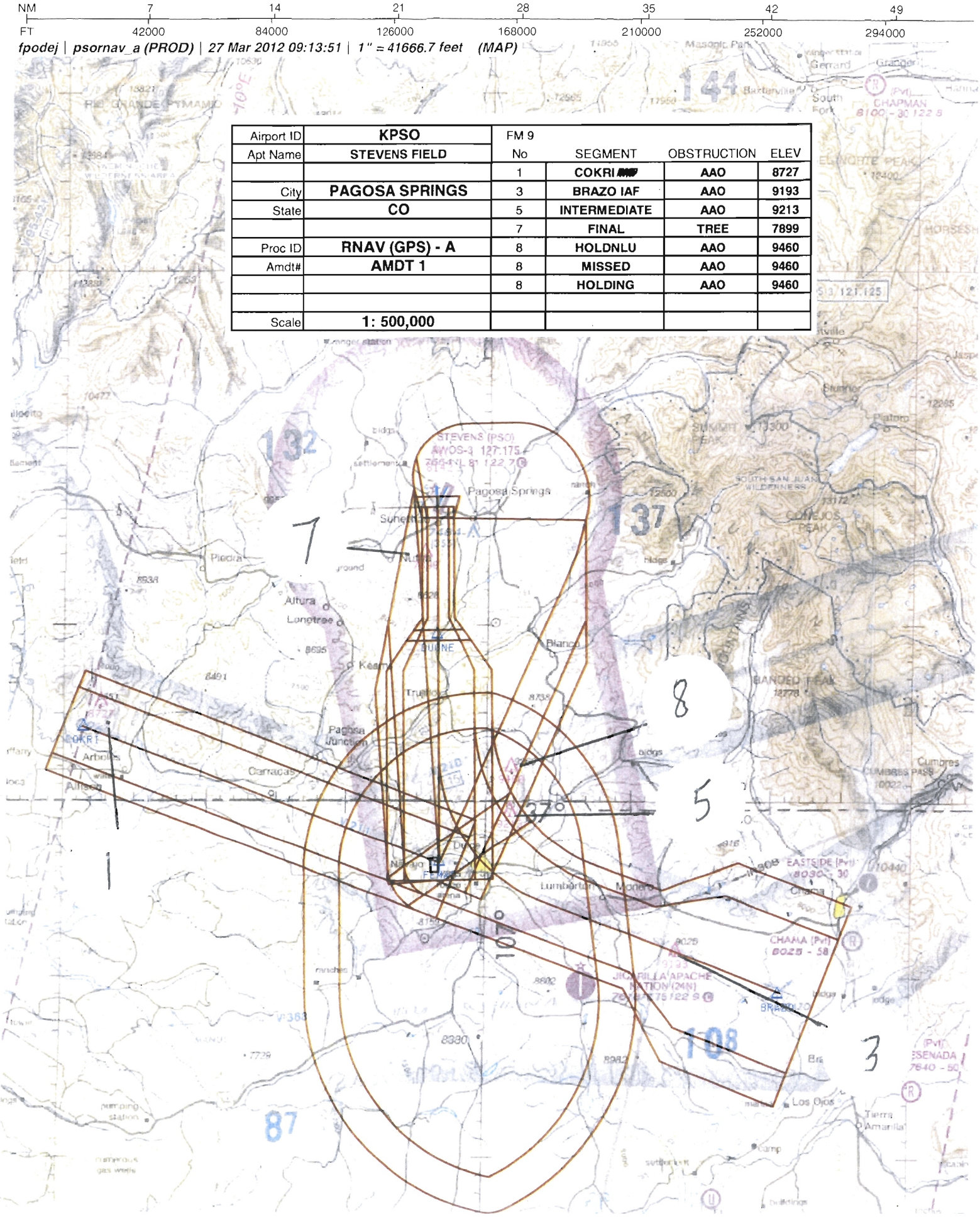
Circling to Rwy 19 NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received use Durango altimeter setting and increase all MDA 220 feet; increase visibility Cat A ¼ mile and Cat B visibility ½ mile.

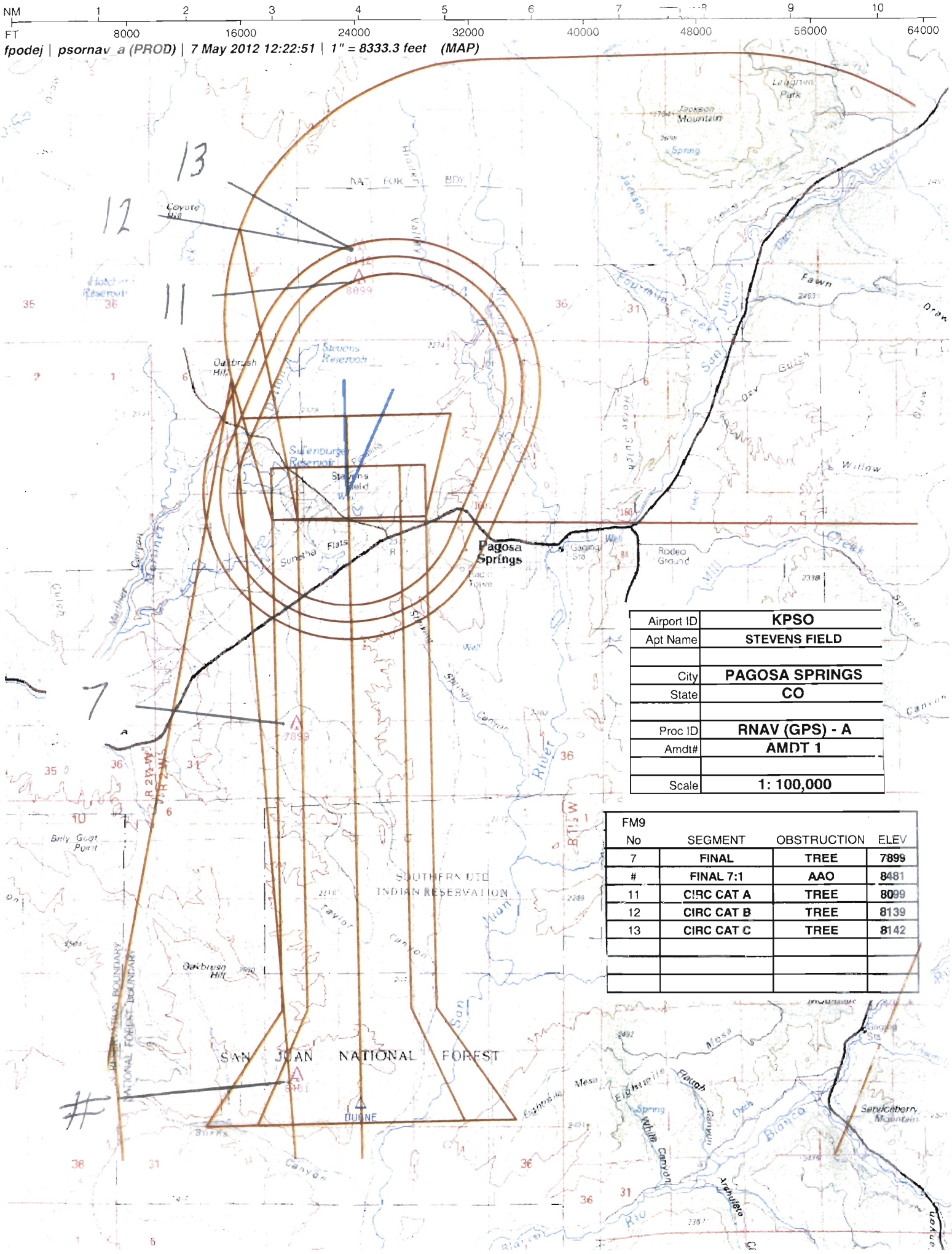
MISSED APPROACH: Climbing right turn to 11200 direct FEMAD and hold.

| AWOS-3 | DENVER CENTER | UNICOM |
|---|---|---|
| 127.175 | 118.575 348.7 | 122.7 (CTAF) L |




| CATEGORY | A | B | C | D |
|---|---|---|---|---|
| CIRCLING | 8400-1<br>736 (800-1) | 8440-1<br>776 (800-1) | 8620-3<br>956 (1000-3) | NA |


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpodej | psornav_a (PROD) | 27 Mar 2012 09:13:51 | 1" = 41666.7 feet (MAP)
Airport ID KPSO
Apt Name STEVENS FIELD
City PAGOSA SPRINGS
State CO
Proc ID RNAV (GPS) - A
Amdt# AMDT 1
Scale 1: 500,000
FM 9
No SEGMENT OBSTRUCTION ELEV
1 COKRI AAO 8727
3 BRAZO IAF AAO 9193
5 INTERMEDIATE AAO 9213
7 FINAL TREE 7899
8 HOLDNLU AAO 9460
8 MISSED AAO 9460
8 HOLDING AAO 9460
Pagosa Springs
Piedra
Altura
Longtree
Arboles
Carracas
Allison
Pagosa Junction
Lumberton
Monero
Chama
Los Ojos
Tierra Amarilla
1
7
8
5
3


NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpodej | psornav_a (PROD) | 7 May 2012 12:22:51 | 1" = 8333.3 feet (MAP)
13
12
11
7
#
Pagosa Springs
SAN JUAN NATIONAL FOREST
SOUTHERN UTE INDIAN RESERVATION
Airport ID KPSO
Apt Name STEVENS FIELD
City PAGOSA SPRINGS
State CO
Proc ID RNAV (GPS) - A
Amdt# AMDT 1
Scale 1: 100,000
FM9
No SEGMENT OBSTRUCTION ELEV
7 FINAL TREE 7899
# FINAL 7:1 AAO 8481
11 CIRC CAT A TREE 8099
12 CIRC CAT B TREE 8139
13 CIRC CAT C TREE 8142

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

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| COKRI | FEMAD (FO) | 100.51 / 21.74 | 11200 |
| BRAZO (IAF) | FEMAD (NOPT) (FB) | 281.01 / 20.67 | 11200 |
| FEMAD (IF/IAF) | DUGNE (FB) | 348.79 / 12.91 | 10300 |
| DUGNE(FAF) | RW01 (MAP) (FO) | 348.79 / 7.00 | |
| RW01 (MAP) | 8064 MSL | 348.79 | |
| 8064 MSL | FEMAD (FO) | | 11200 |

## MISSED APPROACH

LNAV: RW01

CLIMBING RIGHT TURN TO 11200 DIRECT FEMAD AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 7899 TREE 371352N/1070426W
8481 AAO 370948N/1070430W
FAC CROSSES RW01 THLD

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S FEMAD, RT, 348.79 INBOUND, 11200 FT. IN LIEU OF PT (IAF)
3. FAC: 348.79 FAF: DUGNE DIST FAF TO MAP: 7.00 THLD: 7.00
4. MIN. ALT: FEMAD 11200, DUGNE 10300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM: RW01 15100

MAG VAR: 10E EPOCH YEAR: 2010

## 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 |
| CIRCLING | 8400 | 1 | 736 | 8440 | 1 | 776 | 8620 | 3 | 956 | | NA | | | | |

NOTES:
CHART NOTE: CIRCLING TO RWY 19 NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRAZO ON V368 EASTBOUND.
(SEE FORM 8260-10)

@ CAT C 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 7664 TDZE: AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| PAGOSA SPRINGS, CO | STEVENS FIELD | RNAV | RNAV (GPS)-A, AMDT 1 | AMDT: ORIG |
| | | | | DATED 02/14/2008 |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| [ ] YES [X] NO | | **ROUTINE** |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| [ ] | [ ] | [X] | [ ] | [X] | [X] | [X] **ZDV, AMGR** |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| | | |

| DEVELOPED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **ADOLFO URRUTIA (DAVID E. JENNER)** | **AJV-354** | **03/26/2012** |

| APPROVED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEZ SILAGYI MANAGER** | **AJV-354** | |

CHANGES:

**1. REMOVED "NOPT" FROM TRANSITION COKRI TO FEMAD IF/IAF AND MADE IT A FEEDER.**
**2. ADDED TRANSITION FROM BRAZO TO FEMAD.**
**3. DELETED FINAL SDF.**
**4. FINAL TO MAP COURSE AND DISTANCE IS 348.79/7.00.**
**5. CAT B CIRCLING MDA INCREASED FROM 8400 TO 8440.**
**6. CAT C CIRCLING MDA INCREASED FROM 8400 TO 8620, VISIBILITY INCREASED FROM 2 TO 3.**
**7. UPDATED RASS NOTE.**
**8. ADDED PROCEDURE NA NOTE FOR BRAZO TRANSITION.**
**9. ADDED NOTE: "VISIBILITY REDUCTION BY HELICOPTERS NA".**

REASONS:

**1. PROCEDURE TURN REQUIRED DUE TO TURN ANGLE AT FEMAD FROM COKRI AND PER FPT.**
**2. PER FPT.**
**3. FINAL SDF, GOBSE, DELETED DUE TO NOT GETTING MORE THAN 60 FEET DIFFERENCE IN FINAL MDA WITH SDF.**
**4. WITH SDF DELETED THE FAF GOES DIRECTLY TO THE MAP INSTEAD OF TO THE SDF.**
**5-6. NEW CONTROLLING OBSTACLES FOR CATS B AND C AND FOR CAT C MA ADJUSTMENT ADDED.**
**7. IAW 8260.19D, PARA 854 L (1) (A) 1.**
**8. IAW 8260-19D PARA 805 G (2).**
**9. IAW 8260-19D PARA 854I (3).**

**PDF EDIT:**
**A. TERMINAL ROUTES FROM COLUMN - (FAF) ADDED AFTER DUGNE.**
**B. TERMINAL ROUTES ALTITUDE BLOCK: 8064 MSL TO FEMAD (FO) CHANGED FROM 8064 TO 11200.**

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 DURANGO ALTIMETER SETTING AND INCREASE ALL MDA 220 FEET; INCREASE VISIBILITY CAT A 1/4 MILE AND CAT B VISIBILITY 1/2 MILE.**

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 7664 TDZE: AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **PAGOSA SPRINGS, CO** | **STEVENS FIELD** | **RNAV** | **RNAV (GPS)-A, AMDT 1** | AMDT: **ORIG** |
| | | | | DATED: **02/14/2008** |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ _____ |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | FIFO | DATE: |
| **APPROVED BY** | | |
| NAME: | FIFO | DATE: |

CHANGES:

REASONS:

QUALITY 2 CHECKED

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.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   BRAZO K20    C   L N36491535W106390643                    E0093     NAR           BRAZO
          SUSAEAENRT   COKRI K20    C   L N37041822W107283442                    E0097     NAR           COKRI
          SUSAEAENRT   DUGNE K20    W     N37093344W107033075                    E0095     NAR           DUGNE
          SUSAEAENRT   FEMAD K20    C   L N36563800W107031036                    E0095     NAR           FEMAD

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPSOK2APSO     0     081YHN37171050W107032160E010007664         1800018000C    MNAR    STEVENS FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPSOK2FRNV-A ABRAZO 010BRAZOK2EA0E  A    IF                                          18000                B JC
          SUSAP KPSOK2FRNV-A ABRAZO 020FEMADK2EA0EE B 010TF                    28100207    + 11200                       B JC
          SUSAP KPSOK2FRNV-A ACOKRI 010COKRIK2EA0E       IF                                        18000                B JC
          SUSAP KPSOK2FRNV-A ACOKRI 020FEMADK2EA0EY   020TF                    10050217                                 B JC
          SUSAP KPSOK2FRNV-A ACOKRI 030FEMADK2EA0EE AR   HF                    34880070    + 11200                      B JC
          SUSAP KPSOK2FRNV-A R      010FEMADK2EA0E  I    IF                                + 11200     18000            B JC
          SUSAP KPSOK2FRNV-A R      020DUGNEK2EA0E  F 051TF                    34880129    + 10300              RW01  K2PGB JC
          SUSAP KPSOK2FRNV-A R      030RW01 K2PG0GY M 031TF                    34880070      08620          000          B JC
          SUSAP KPSOK2FRNV-A R      040         0  M     CA                    3488        + 08064                      B JC
          SUSAP KPSOK2FRNV-A R      050FEMADK2EA0EY  R   DF                              + 11200                      B JC
          SUSAP KPSOK2FRNV-A R      060FEMADK2EA0EE  R   HM                    34880070    + 11200                      B JC

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPSOK2GRW01    0081000138 N37163387W107034184-0400    +23078076290000040100V

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPSOK2SRW01 K2PG             0   18018015125                                                              M
```

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 7664 TDZE: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| PAGOSA SPRINGS, CO | AIRPORT NAME: STEVENS FIELD | RNAV | RNAV (GPS)-A, AMDT 1 | AMDT: ORIG |
| | | | | DATED: 02/14/2008 |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR 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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BRAZO | BRAZO | 010 | IAF | IF | | FB | | | | | |
| | BRAZO | FEMAD | 020 | | TF | | FB | 1.0 | 281.0(291.0T) | 020.7 | AA 11200 | |
| | COKRI | COKRI | 010 | | IF | | FB | | | | | |
| | COKRI | FEMAD | 020 | | TF | | FO | 2.0 | 100.5(110.5T) | 021.7 | | |
| | COKRI | FEMAD | 030 | IAF | HF | R | FO | | 348.8(358.8T) | 007.0 | AA 11200 | |
| | | FEMAD | 010 | FACF | IF | | FB | | | | AA 11200 | |
| | | DUGNE | 020 | FAF | TF | | FB | 0.5 | 348.8(358.8T) | 012.9 | AA 10300 | |
| | | RW01 | 030 | MAP | TF | | FO | 0.3 | 348.8(358.8T) | 007.0 | AT 08620 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 348.8(358.8T) | | AA 08064 | |
| | FEMAD | 050 | | DF | R | FO | | | | AA 11200 | |
| | FEMAD | 060 | | HM | R | FO | | 348.8(358.8T) | 007.0 | AA 11200 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | BRAZO | N364915.35 | W1063906.43 | N3649.256 | W10639.107 |
| | COKRI | N370418.22 | W1072834.42 | N3704.304 | W10728.574 |
| | DUGNE | N370933.44 | W1070330.75 | N3709.557 | W10703.513 |
| | FEMAD | N365638.00 | W1070310.36 | N3656.633 | W10703.173 |
| | RW01 | N371633.87 | W1070341.84 | N3716.565 | W10703.697 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW01 | 07629 | 40 |

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: **7664** TDZE: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **PAGOSA SPRINGS, CO** | AIRPORT NAME: **STEVENS FIELD** | **RNAV** | **RNAV (GPS)-A, AMDT 1** | AMDT: **ORIG** |
| | | | | DATED: **02/14/2008** |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

# STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

| 1. APP SEGMENT | FROM | TO | OBSTRUCTION | COORDINATES | ELEV. MSL | ROC | ALT. ADJUSTMENTS | MIN. ALT. |
|---|---|---|---|---|---|---|---|---|
| FEEDER | COKRI | FEMAD | 1. AAO | 370521.00N/1072718.00W | 8727 (2A) | 2000 | AT233 PR240 | 11200 |
| | | | 2. TERRAIN | 370521.00N/1072718.00W | 8527 (8500) | | AS1500 | 10000 |
| INITIAL | BRAZO | FEMAD | 3. AAO | 365112.00N/1064630.00W | 9193 (2A) | 1000 | PR190 AT817 | 11200 |
| | | | 4. TERRAIN | 365112.00N/1064630.00W | 8993 (9000) | | AS1500 | 10500 |
| INTERMEDIATE | FEMAD (IF/IAF) | DUGNE | 5. AAO | 365909.00N/1065815.00W | 9213 (4E) | 500 | SA-101 AC98 PR190 | 9900 |
| | | | 6. TERRAIN | 365900.00N/1065821.00W | 8816 (8800) | | AS1500 | 10300 |
| FINAL: LNAV | DUGNE | RW01 | 7. TREE | 371351.68N/1070426.24W | 7899 (2D) | 250 | XL50 PR70 AC30 | 8300 |
| 2. HOLD-IN-LIEU-OF-PT | FEMAD | P-10 | 8. AAO | 370142.90N/1065809.50W | 9460 (6A) | 1000 | PR150 AT590 | 11200 |
| | | | 9. TERRAIN | 370142.90N/1065809.50W | 9260 (9300) | | AS1500 | 10800 |
| 3. MISSED APPROACH MAP: | RW01 | FEMAD | 10. AAO | 372045.00N/1065854.00W | 9078 (4E) | ASC | AC 98 | 11200 |
| | | | 8. AAO | 370142.90N/1065809.50W | 9460 (6A) | 1000 | | 10500 |
| ELEV: | 8200 | | 9. TERRAIN | 370142.90N/1065809.50W | 9260 (9300) | | AS1500 | 10800 |

| 4. CIRCLING AREA | DISTANCE | | HT. ABV. ARPT. | | |
|---|---|---|---|---|---|
| CATEGORY A | 1.3 NM | REQUIRED | 350 | ACTUAL | 736 |
| CATEGORY B | 1.5 NM | | 450 | | 776 |
| CATEGORY C | 1.7 NM | | 450 | | 956 |
| CATEGORY D | 2.3 NM | | 550 | | |
| CATEGORY E | 4.5 NM | | 550 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 11. TREE | 371900.00N/1070330.00W | 8099 (2C) | 300 | | 8400 |
| 12. TREE | 371912.00N/1070330.00W | 8139 (2C) | 300 | | 8440 |
| 13. TREE | 371921.00N/1070330.00W | 8142 (2C) | 300 | MA160 | 8620 |

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW01

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| 360-360 | 200' AAO | 317/ 28.9 | 14021 (6A) | 15100 | | | | | |

QUALITY CHECKED

| CITY AND STATE | | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| PAGOSA SPRINGS, CO | ELEVATION: 7664<br>AIRPORT NAME: STEVENS FIELD | RNAV | RNAV (GPS)-A, AMDT 1 | ANM |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | | 3. ALTIMETER SETTING |
|---|---|---|---|
| ZDV ARTCC | | NWS | SOURCE: KPSO / KDRO |
| | | OTHER: AWOS-3 | DISTANCE: 0 / 34.40 |
| | | FAA | HOURS REMOTE OPERATION: |
| SATISFACTORY ON: | | A/C | 24 |
| X VHF X UHF HF | LOCATION: KPSO | | ADJUSTMENT: 0 / 217 |

| | | | |
|---|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | | |
| | MONITOR POINT: | | |
| | HRS OPTN: | CAT 1 | |
| | | CAT 3 | |

| 5. APPROACH & RUNWAY LIGHTING | |
|---|---|
| | ALS |
| | (S) SALS |
| | MALS |
| | HIRL |
| X | MIRL 01 (PCL), 19 (PCL) |
| X | REIL 01, 19 (PCL) |
| | TDZ |
| | C/LINE |
| X | OTHER (SPECIFY)<br>PAPI-4L 01 (PCL), 19 (PCL) |

| | | |
|---|---|---|
| 6. RUNWAY MARKINGS | BASIC | |
| | ALL WEATHER | |
| | INSTRUMENT | NPI-G 01, 19 |
| 7. RUNWAY VISUAL RANGE | APPROACH | |
| | MIDFIELD | |
| | ROLL OUT | |
| 8. GLIDE PATH | GP ANGLE: | ELEV RWY THRESHOLD: |
| | DISTANCE FROM RWY: | ELEV GP ANTENNA: |
| | | THRESHOLD CROSSING HEIGHT: |

| 9. FINAL APPROACH COURSE AIMING | | | |
|---|---|---|---|
| | X | RUNWAY THRESHOLD | FT. FROM THRESHOLD |
| | X | ON CENTERLINE | FT. FROM CENTERLINE |

10. WAIVERS: NONE

| | |
|---|---|
| PART D - PREPARED BY: ADOLFO URRUTIA (DAVID E. JENNER) | DATE: 03/26/2012 |
| TITLE: AERONAUTICAL INFORMATION SPECIALIST | OFFICE: AJV-354 |

## PART C - REMARKS:

PARA 251, 20:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KPSO AWOS AND KDRO ASOS ARE ON SERVICE A

NO ADDITIONAL AIRSPACE REQUIRED.
RASS PRESSURE PATTERNS SAME
KPSO 7663.5, KDRO 6685.3
RA = 216.07.

TERPS PARAGRAPH 289 APPLIED TO 8481 AAO 370948/1070430.

25 DEGREE BANK ANGLE USED IN MISSED SEGMENT.

CIRCLING TO RWY 19 NA AT NIGHT DUE TO NO SURVEY.

TERPS VOLUME 1, " VISUAL PORTION OF FINAL"
PENETRATIONS:
20:1
RW19 7684 TERRAIN 371751.00N-1070300.00W (9.96)
FPO NOTIFIED OF 20:1 PENETRATION ON 9/27/2007

100 FT TREE AND 200 FT AAO USED IN PROCEDURE PER FPO

TAA NOT DEVELOPED PER ZDV

FAF NOT IN PFAF LOCATION; PROCEDURE DOES NOT MEET STRAIGHT-IN CRITERIA.

FINAL CONTROLLING OBSTACLE LOCATED 301 FEET INTO SECONDARY.

INTERMEDIATE CONTROLLING OBSTACLE LOCATED 1024 FT INTO SECONDARY.

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BRAZO **STATE:** NM **COUNTRY:** US

**LATITUDE/LONGITUDE:** 364915.35N/1063906.43W **TYPE:** WP, INT, DME

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

**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 | ALAMOSA | ALS | VORTAC | H | 219.00 | 232.00 | 51.12 | 51.12 | | 13000 | 17500 |
| 2 | DURANGO | DRO | VOR/DME | L | 096.34 | 110.34 | | 56.41 | | 11300 | 17500 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| DRO | VOR/DME | R-096 | 57 | 11300 | 17500 |
| ALS | VORTAC | R-219 | 52 | 13000 | 17500 |

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

**REMARKS:**
ALAMOSA (FAC 1) AND DURANGO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V211 | 1, 2 | | | | (US) |
| EN ROUTE | V368 | 1, 2 | | | | (US) |
| IAP | RNAV (GPS) - A | | | KPSO | PAGOSA SPRINGS | CO (US) |

**REQUIRED CHARTING:** IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

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

**REASON FOR REVISION:**
UPDATED FIX USE.
UPDATED FAC 2 DISTANCE FROM FAC, CHANGED FROM 56.40 TO 56.41.
ADDED WP TO FIX TYPE.
ADDED IAP TO REQUIRED CHARTING.

**DEVELOPED BY:** **DATE:** 03/20/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZDV
**ATC FACILITY:**
**OTHER:**

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** COKRI **STATE:** CO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 370418.22N/1072834.42W **TYPE:** WP, DME

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

**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 | DURANGO | DRO | VOR/DME | L | 096.34 | 110.34 | 14.00 | 14.00 | | 11300 | 17500 |

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V211 | 1 | | | | (US) |
| IAP | ILS OR LOC/DME RWY 3 | 1 | | KDRO | DURANGO | CO (US) |
| IAP | RNAV (GPS) - A | | | KPSO | PAGOSA SPRINGS | CO (US) |

**REQUIRED CHARTING:** IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

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

**REASON FOR REVISION:**
UPDATED FIX USE.
DELETED FAC 2.
ADDED "DIST FROM FAC" IN FAC 1.
RAISED FAC 1 MRA FROM 11200 TO 11300.

**DEVELOPED BY:** **DATE:** 03/20/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZDV
**ATC FACILITY:**
**OTHER:**

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** DUGNE **STATE:** CO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 370933.44N/1070330.75W **TYPE:** WP

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

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

**REMARKS:**
FIX NOT IN PFAF LOCATION, PROCEDURE DOES NOT MEET STRAIGHT-IN CRITERIA.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) - A | | | KPSO | PAGOSA SPRINGS | CO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
UPDATED FIX USE.
DELETED FAC 1.
ADDED REMARK "FIX NOT IN PFAF LOCATION, PROCEDURE DOES NOT MEET STRAIGHT-IN CRITERIA"

**DEVELOPED BY:** **DATE:** 03/20/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZDV
**ATC FACILITY:**
**OTHER:**

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FEMAD **STATE:** NM **COUNTRY:** US

**LATITUDE/LONGITUDE:** 365638.00N/1070310.36W **TYPE:** WP, DME

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

**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 | DURANGO | DRO | VOR/DME | L | 096.34 | 110.34 | 35.74 | 35.74 | | 11300 | 17500 |

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

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | S | | WP | 168.79 | 348.79 | R | | 7 | 11200 | 13000 | 10 | 11 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 230 | AAO | 370142.90N/1065809.50W | 9460 | 6A |

**PRECIPITOUS TERRAIN ADDITIONS:**

| PAT | SPEED | ADDITION |
|---|---|---|
| 1 | 230 | 150 |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE (US) |
|---|---|---|---|---|---|---|
| EN ROUTE | V211 | 1 | | | | |
| IAP | RNAV (GPS) - A | | 1 | KPSO | PAGOSA SPRINGS | CO (US) |

**REQUIRED CHARTING:** IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
UPDATED FIX USE.
ADDED DIST FROM FAC IN FAC 1.
DELETED FAC 2.
MOVED HOLDING RESTRICTION FROM REMARKS TO HOLDING RESTRICTIONS BLOCK.
DELETED REMARK "ADDITIONAL AIRSPACE REQUIRED".
RAISED FAC 1 MRA FROM 11200 TO 11300.

**DEVELOPED BY:** **DATE:** 03/20/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZDV
**ATC FACILITY:**
**OTHER:**

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** GOBSE **STATE:** CO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 371303.66N/1070336.29W **TYPE:** WP

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

**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 | KPSO R01 | | | | | 178.79 | 3.50 | | | 9100 | 17500 |

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | STEVENS FIELD - RNAV (GPS) A | | | KPSO | PAGOSA SPRINGS | CO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 02/14/2008

**DEVELOPED BY:** **DATE:** **OFFICE:** **NAME:**

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZDV
**ATC FACILITY:**
**OTHER:**

QUALITY 2 CHECKED