| Flight Procedure Tracking Form | Action: FLIGHT CHECK | Task Type: IAP | Date Open: 02/14/2011 | Task #: 2011021428490901005 | Request #: 20110214284909 |
|---|---|---|---|---|---|
| Procedure: RNAV (GPS) RWY 11 R AMDT 1 | | Airport ID: KFAT | Airport: FRESNO YOSEMITE INTL | | Reimbursable #: |
| City: FRESNO | ST: CA | GPS #: | | Estimated Chart Date: 11/15/2012 | FICO #: |
| Fac ID: | Fac. Type: LP Proc W | | Specialist: MARK ADAMS | | |

## Procedure Review

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| Lead: | 05/11/2012 | 09/06/2012 | STEVEN SZUKALA | |
| QA: | 09/06/2012 | 09/06/2012 | STEVEN SZUKALA | |
| Liaison: | 09/06/2012 | | Spurlin | CONCURRENT |

**Procedure Comments:** ENROUTE **Remark Type:** INFORMATION pkg 1 of 2

FRESNO, CA FRESNO YOSEMITE INTL (KFAT) RNAV (GPS) RWY 11R, AMDT 1 (LP) ENROUTE-YES FC: 9.18.12 PUB: 11.15.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): BEREN-INT, REV 12; BLEAR-INT, REV 11; FRAME-INT, REV 11; FRIANT (FRA) VTAC, REV 5; ISESY, ORIG; IPUJE, ORIG; JITMU, ORIG; RIWSO, ORIG; SIBOC-INT, REV 1; WOSIM, ORIG; ZUVEK, ORIG.

CONTACT: ADOLFO URRUTIA/LONNIE EVERHART-AVN-130 LEADS, 405.954.2079/ 405.954.4576.

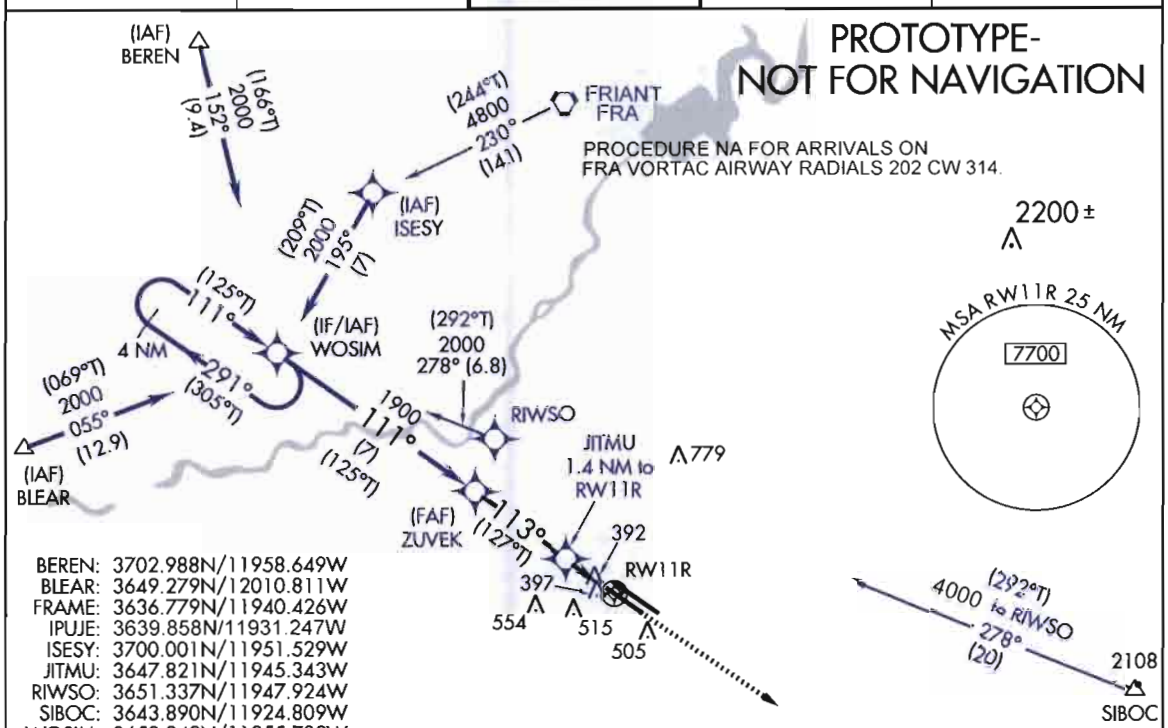
| WAAS CH 78330 W11B | APP CRS 113° | Rwy ldg 5757<br>THRE 331<br>Apt Elev 336 |
|---|---|---|

# RNAV (GPS) RWY 11R
## FRESNO YOSEMITE INTL (FAT)

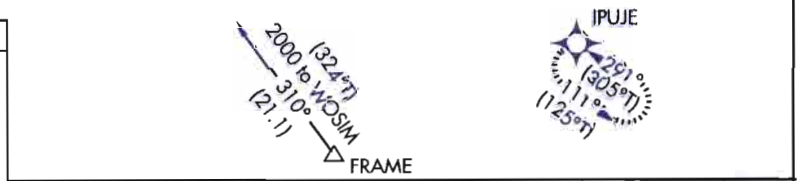
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 800 then climb to 2600 direct IPUJE and hold.

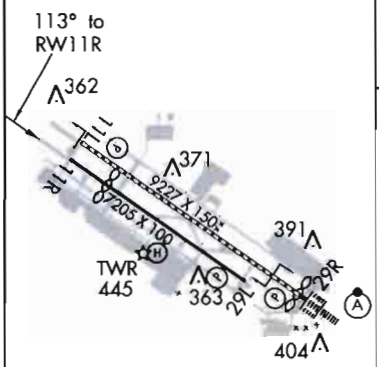
| ATIS | FRESNO APP CON | FRESNO TOWER | GND CON | CLNC DEL |
|---|---|---|---|---|
| 121.35 273.6 | 119.6 351.95 | 118.2 251.1 | 121.7 348.6 | 124.35 348.6 |

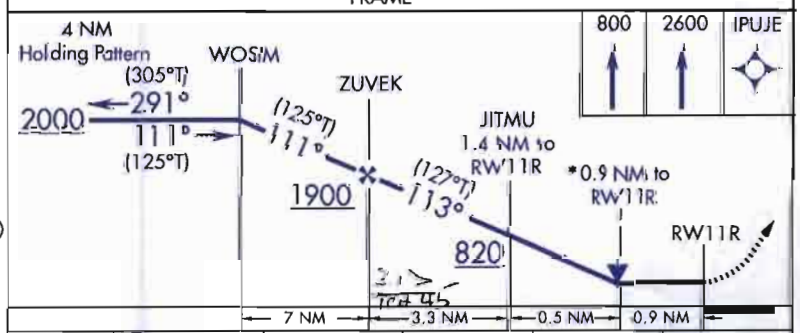



BEREN: 3702.988N/11958.649W
BLEAR: 3649.279N/12010.811W
FRAME: 3636.779N/11940.426W
IPUJE: 3639.858N/11931.247W
ISESY: 3700.001N/11951.529W
JITMU: 3647.821N/11945.343W
RIWSO: 3651.337N/11947.924W
SIBOC: 3643.890N/11924.809W
WOSIM: 3653.849N/11955.789W
ZUVEK: 3649.787N/11948.631W
RW11R: 3646.779N/11943.587W



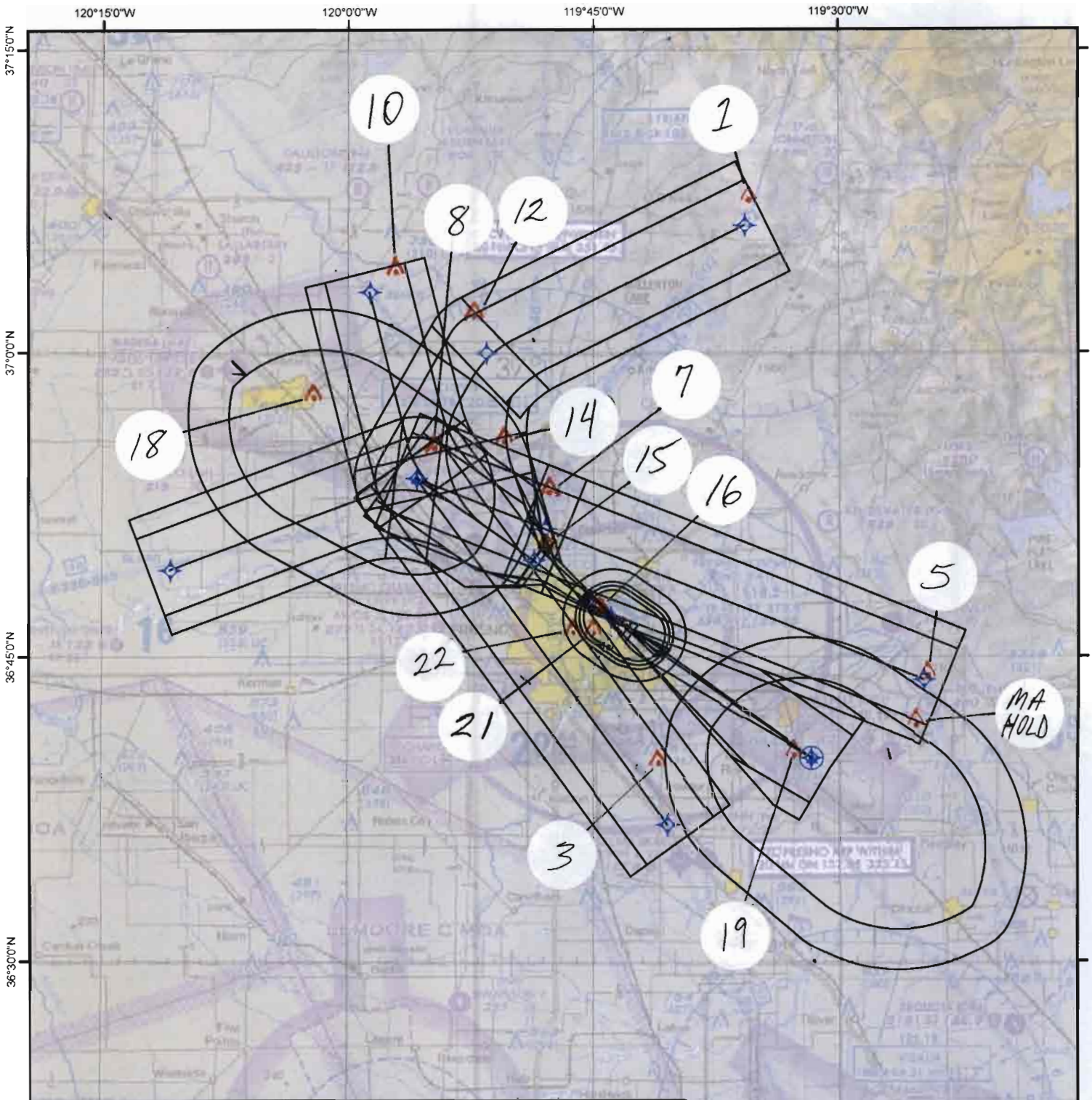

| ELEV 336 | TDZE 333 |
|---|---|



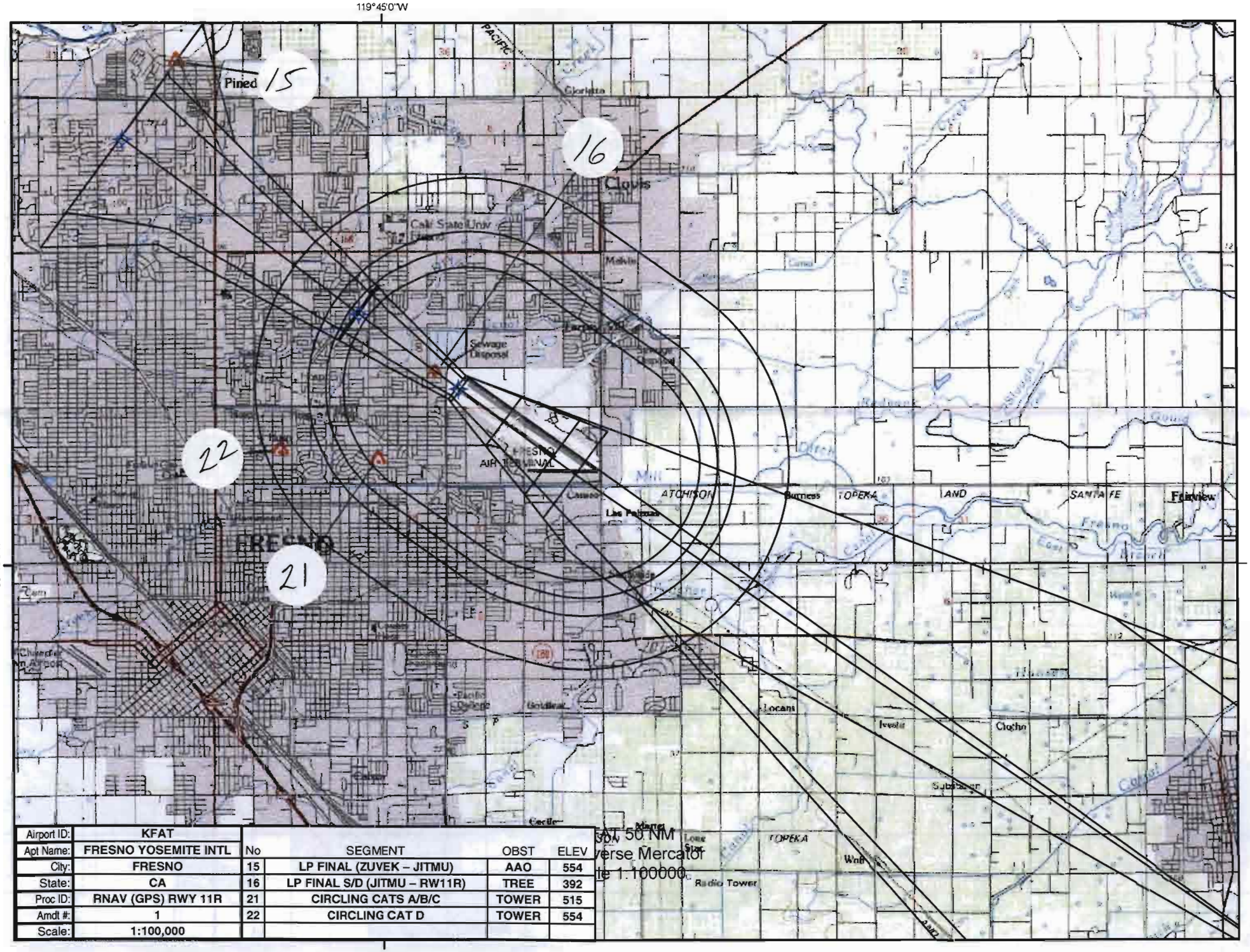




| CATEGORY | A | B | C | D | E |
|---|---|---|---|---|---|
| LP MDA | 660-1 329 (400-1) | | | | |
| LNAV MDA | 700-1 369 (400-1) | | | | |
| CIRCLING | 820-1 484 (500-1) | | 820-1½ 484 (500-1½) | 920-2 584 (600-2) | |

REIL Rwys 11L and 11R
HIRL Rwy 11L-29R
MIRL Rwy 11R-29L
TDZ/CL Rwy 29R



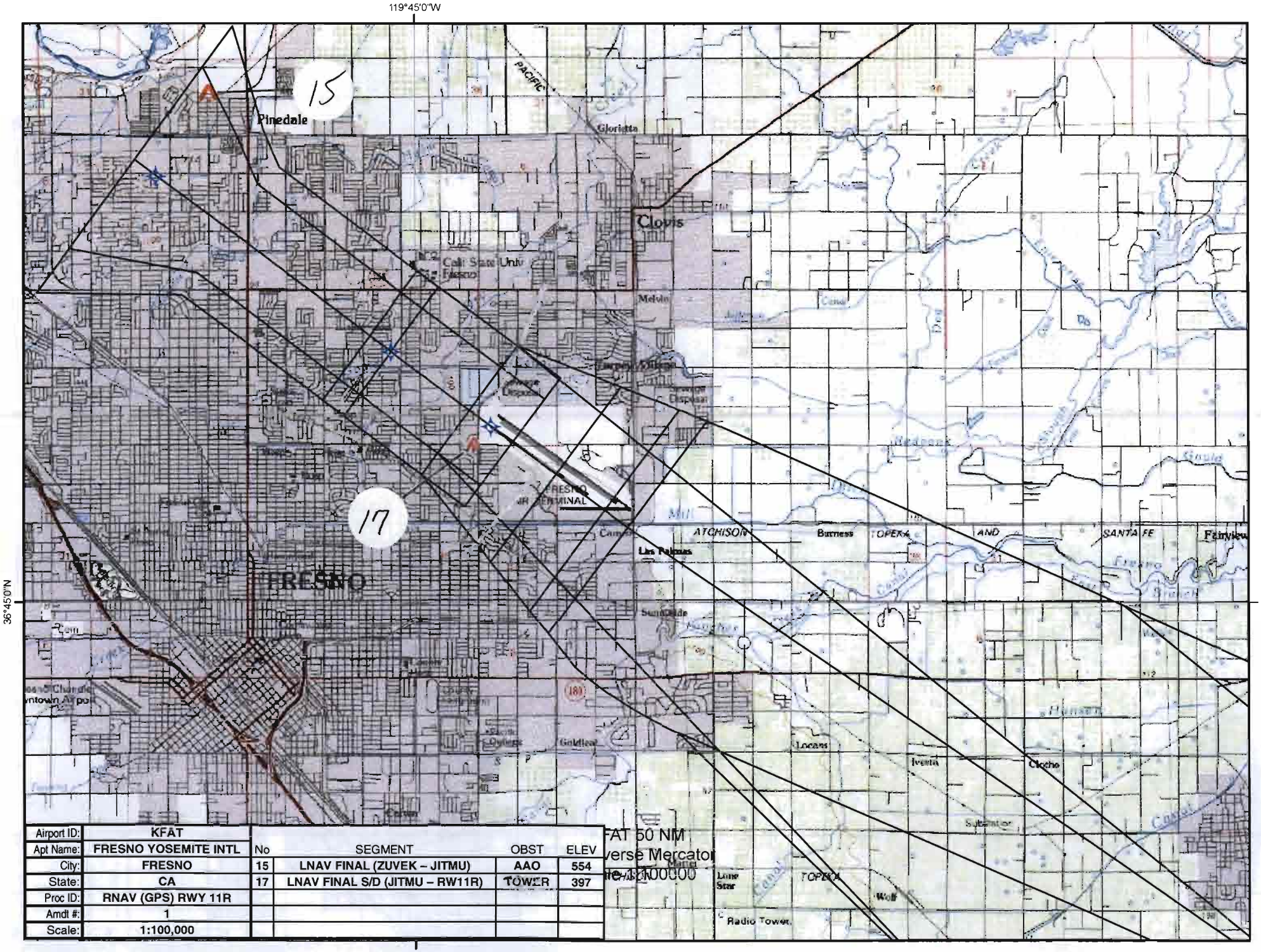

| | | | | | |
|---|---|---|---|---|---|
| Airport ID: | KFAT | | | | |
| Apt Name: | FRESNO YOSEMITE INTL | No | SEGMENT | OBST | ELEV |
| City: | FRESNO | 1 | FEEDER (FRA – ISESY) | AAO | 2744 |
| State: | CA | 3 | FEEDER (FRAME – WOSIM) | TOWER | 677 |
| Proc ID: | RNAV (GPS) RWY 11R | 5 | FEEDER (SIBOC – RIWSO) | TREE | 2208 |
| Amdt #: | 1 | 7 | FEEDER S/D (RIWSO – WOSIM) | AAO | 569 |
| Scale: | 1:500,000 | 8 | INITIAL (BLEAR – WOSIM) | AAO | 524 |
| | | 10 | INITIAL (BEREN – WOSIM) | AAO | 604 |
| | | 12 | INITIAL (ISESY – WOSIM) | AAO | 747 |
| | | 14 | INTERMEDIATE (WOSIM – ZUVEK) | AAO | 574 |
| | | 15 | LP FINAL (ZUVEK – JITMU) | AAO | 554 |
| | | 16 | LP FINAL S/D (JITMU – RW11R) | TREE | 392 |
| | | 18 | HOLD-IN-LIEU | TOWER | 600 |
| | | 19 | MISSED APPROACH LEVEL SFC | TOWER | 644 |
| | | 21 | CIRCLING CATS A/B/C | TOWER | 515 |
| | | 22 | CIRCLING CAT D | TOWER | 554 |
| | | MA | MISSED APPROACH HOLDING | AAO | 1952 |




| Airport ID: | KFAT |
|---|---|
| Apt Name: | FRESNO YOSEMITE INTL |
| City: | FRESNO |
| State: | CA |
| Proc ID: | RNAV (GPS) RWY 11R |
| Amdt #: | 1 |
| Scale: | 1:100,000 |

| No | SEGMENT | OBST | ELEV |
|---|---|---|---|
| 15 | LP FINAL (ZUVEK – JITMU) | AAO | 554 |
| 16 | LP FINAL S/D (JITMU – RW11R) | TREE | 392 |
| 21 | CIRCLING CATS A/B/C | TOWER | 515 |
| 22 | CIRCLING CAT D | TOWER | 554 |

AT 50 NM
verse Mercator
le 1:100000




| Airport ID: | KFAT |
|---|---|
| Apt Name: | FRESNO YOSEMITE INTL |
| City: | FRESNO |
| State: | CA |
| Proc ID: | RNAV (GPS) RWY 11R |
| Amdt #: | 1 |
| Scale: | 1:100,000 |

| No | SEGMENT | OBST | ELEV |
|---|---|---|---|
| 15 | LNAV FINAL (ZUVEK – JITMU) | AAO | 554 |
| 17 | LNAV FINAL S/D (JITMU – RW11R) | TOWER | 397 |

FAT 50 NM
verse Mercator
le 1:100,000

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 |
|---|---|---|---|
| FRA VORTAC | ISESY (FB) | 229.76 / 14.11 | 4800 |
| FRAME | WOSIM (FO) | 310.16 / 21.05 | 2000 |
| SIBOC | RIWSO (FB) | 277.95 / 20.00 | 4000 |
| RIWSO | WOSIM (FO) | 277.72 / 6.79 | 2000 |
| BLEAR (IAF) | WOSIM (NOPT) (FB) | 055.19 / 12.89 | 2000 |
| BEREN (IAF) | WOSIM (NOPT) (FB) | 151.89 / 9.41 | 2000 |
| ISESY (IAF) | WOSIM (NOPT) (FB) | 195.08 / 7.03 | 2000 |
| (SEE FORM 8260-10) | | | |

## MISSED APPROACH

LP: RW11R
LNAV: RW11R

CLIMB TO 800 THEN CLIMB TO 2600 DIRECT IPUJE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W WOSIM, RT, 111.20 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 112.62 FAF: ZUVEK DIST FAF TO MAP: 4.69 THLD: 4.69
4. MIN. ALT: WOSIM 2000, ZUVEK 1900, JITMU/1.40 NM TO RW11R 820
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: 34:1 IS NOT CLEAR
8. MSA FROM: RW11R 7700

**ADDITIONAL FLIGHT DATA:**
HOLD E, LT, 291.46 INBOUND.
CHART FAS OBST: 392 TREE 364709N/1194418W
CHART FAS OBST: 397 TOWER 364645N/1194413W
CHART VDP AT 0.87 MILES TO RW11R*
*LNAV ONLY.
WAAS CHANNEL # 78330
REFERENCE PATH ID: W11B
ZUVEK TO RW11R: 3.06/45
LTP HAE: 69 M

MAG VAR: 14E EPOCH YEAR: 2005

## 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 |
| LP MDA | 660 | 1 | 329 | 660 | 1 | 329 | 660 | 1 | 329 | 660 | 1 | 329 | | | |
| LNAV MDA | 700 | 1 | 369 | 700 | 1 | 369 | 700 | 1 | 369 | 700 | 1 | 369 | | | |
| CIRCLING | 820 | 1 | 484 | 820 | 1 | 484 | 820 | 1 1/2 | 484 | 920 | 2 | 584 | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FRA VORTAC AIRWAY RADIALS 202 CW 314.

QUALITY RECORD 1

| CITY AND STATE | ELEVATION: 336 THRE: 331 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| FRESNO, CA | AIRPORT NAME: FRESNO YOSEMITE INTL | RNAV | RNAV (GPS) RWY 11R, AMDT 1 | AMDT: ORIG |
| | | | | DATED 09/01/2005 |

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

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| X | | X | X | X | X | X ZOA, FAT APP CON, FAT ATCT, CA AERO, AMGR |

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

| DEVELOPED BY | | |
|---|---|---|
| NAME: MARK D. ADAMS | FIFO AJV-354 | DATE: 06/27/2012 |

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

CHANGES:

1. CHANGED TERMINAL ROUTES COURSE/DISTANCE AND FAF TO MAP/THLD DISTANCE.
2. CHANGED IAF FROM KECPO TO ISESY.
3. CHANGED FEEDER FROM SIBOC TO TERMINATE AT RIWSO AND ADDED STEPDOWN SEGMENT RIWSO TO WOSIM (IF/IAF).
4. ADDED A H-I-L AT THE IF/IAF (WOSIM).
5. DELETED INITIAL FROM HOJRI AND MADE FEEDER FROM BLEAR INTO AN INITIAL THAT TERMINATES AT THE IF/IAF.
6. CHANGED FEEDER FROM FRAME TO TERMINATE AT THE IF/IAF (H-I-L) INSTEAD OF HOJRI.
7. CHANGED MA CLEARANCE LIMIT FROM SELMA TO IPUJE (IF/IAF FOR RWY 29R) AND ALTITUDE FROM 2000 TO 2600.
8. ADDED LP MINIMA.
9. INCREASED FAF ALTITUDE FROM 1800 TO 1900.
10. ALLOWED USE OF STRAIGHT-IN MINS AT NIGHT.
11. LNAV CAT D VIS DECREASED FROM 1 1/4 TO 1 MILE.
12. ADDED "PROCEDURE NA" AND "VISI REDUCTION" NOTES.

REASONS:

1. THIS PROCEDURE WAS DESIGNED TO SHARE THE INTERMEDIATE AND FINAL COURSE WITH THE RNAV (GPS) RWY 11L AND THE IF AND FAF ARE LOCATED AT THE CORRECT POSITIONS FOR AN LPV TO RWY 11L. ATC SPECIFICALLY REQUESTED THE USE OF RWY 11L PFAF & IF. THE MA HOLDING AND IF/IAF HOLDING PATTERNS WILL ALSO BE SHARED.
2. DUE TO IF/IAF MOVEMENT, AN INTIAL FROM KSCPO REQUIRED A TURN AT THE IF/IAF GREATER THAN 90 DEGREES.
3, 4, 5, 6, 7, 8. PROCEDURE CHECKLIST REQUIREMENTS.
9. MINIMUM INTERMEDIATE SEGMENT ALTITUDE DUE TO AIRSPACE REQUIREMENT.
10. NO 20:1 SFC PENETRATION. ALSO FOUND NO 20:1 PENS ON 8260 FORMS FOR ORIGINAL PROCEDURE. MEETS REQUIREMENTS OF AC 150/5300, CHG 17, APPENDIX 16, TABLE A16-1C.
11. PER CURRENT VISIBILITY CRITERIA.
12. 8260.54A TURN LIMITATIONS AND VISI SFC PENETRATIONS (34:1) RESPECTIVELY.

EFFECTIVE CONCURRENT WITH: KFAT RNAV (GPS) RWY 29R, AMDT 1

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TERMINAL ROUTES, (CONT.):

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| WOSIM (IF/IAF) | ZUVEK (FB) | 111.20 / 7.03 | 1900 |
| ZUVEK | JITMU/1.40 NM TO RW11R (FB) | 112.62 / 3.29 | |
| JITMU/1.40 NM TO RW11R | RW11R (MAP) (FO) | 112.65 / 1.40 | |
| RW11R (MAP) | 800 MSL | 112.65 | 800 |
| 800 MSL | IPUJE (FO) | | 2600 |

| 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:

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KFAT |
| RUNWAY | RW11R |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W11B |
| LTP/FTP LATITUDE | 364659.0200N |
| LTP/FTP LONGITUDE | 1194356.7100W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00690 |
| FPAP LATITUDE | 364605.7355N |
| FPAP LONGITUDE | 1194227.7575W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00045.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.06 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 0.0 |
| CRC REMAINDER | A4C15023 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +01008 |
| FPAP ORTHOMETRIC HEIGHT | +01008 |

| CITY AND STATE | ELEVATION: 336 THRE: 331 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| FRESNO, CA | AIRPORT NAME: FRESNO YOSEMITE INTL | RNAV | RNAV (GPS) RWY 11R, AMDT 1 | AMDT: ORIG |
| | | | | DATED: 09/01/2005 |

| 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:

**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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FRA   K2011560VTLA N37061592W119354360    N37061592W119354360E0170023801     NARFRIANT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEREN K20    C   L N37025930W119583891                     E0134     NAR           BEREN
        SUSAEAENRT   BLEAR K20    C   L N36491676W120104868                     E0134     NAR           BLEAR
        SUSAEAENRT   FRAME K20    C   L N36364674W119402553                     E0133     NAR           FRAME
        SUSAEAENRT   IPUJE K20    W     N36395146W119311484                     E0133     NAR           IPUJE
        SUSAEAENRT   ISESY K20    W     N37000008W119513175                     E0134     NAR           ISESY
        SUSAEAENRT   JITMU K20    W     N36474924W119452060                     E0133     NAR           JITMU
        SUSAEAENRT   RIWSO K20    W     N36512024W119475542                     E0134     NAR           RIWSO
        SUSAEAENRT   SIBOC K20    C   L N36435342W119244853                     E0133     NAR           SIBOC
        SUSAEAENRT   WOSIM K20    W     N36535092W119554731                     E0134     NAR           WOSIM
        SUSAEAENRT   ZUVEK K20    W     N36494719W119483788                     E0134     NAR           ZUVEK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2AFAT     0     092YHN36463430W119430530E014000336         1800018000C    MNAR    FRESNO YOSEMITE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2FR11R  ABEREN 010BERENK2EA0E  A    IF                                          18000                A JS
        SUSAP KFATK2FR11R  ABEREN 020WOSIMK2EA0EE B 010TF                    15190094    + 02000                      A JS
        SUSAP KFATK2FR11R  ABLEAR 010BLEARK2EA0E  A    IF                                          18000                A JS
        SUSAP KFATK2FR11R  ABLEAR 020WOSIMK2EA0EE B 010TF                    05520129    + 02000                      A JS
        SUSAP KFATK2FR11R  AFRA   010FRA  K2D 0V       IF                                          18000                A JS
        SUSAP KFATK2FR11R  AFRA   020ISESYK2EA0E  A 020TF                    22980141    + 04800                      A JS
        SUSAP KFATK2FR11R  AFRA   030WOSIMK2EA0EE B 010TF                    19510070    + 02000                      A JS
        SUSAP KFATK2FR11R  AFRAME 010FRAMEK2EA0E       IF                                          18000                A JS
        SUSAP KFATK2FR11R  AFRAME 020WOSIMK2EA0EY   020TF                    31020211    + 02000                      A JS
        SUSAP KFATK2FR11R  AFRAME 030WOSIMK2EA0EE AR   HF                    11120040    + 02000                      A JS
        SUSAP KFATK2FR11R  ASIBOC 010SIBOCK2EA0E       IF                                          18000                A JS
        SUSAP KFATK2FR11R  ASIBOC 020RIWSOK2EA0E    020TF                    27800200    + 04000                      A JS
        SUSAP KFATK2FR11R  ASIBOC 030WOSIMK2EA0EY   020TF                    27770068    + 02000                      A JS
        SUSAP KFATK2FR11R  ASIBOC 040WOSIMK2EA0EE AR   HF                    11120040    + 02000                      A JS
        SUSAP KFATK2FR11R  R      010WOSIMK2EA0E  I    IF                                + 02000     18000            A JS
        SUSAP KFATK2FR11R  R      020ZUVEKK2EA1E  F 051TF                    11120070    + 01900                RW11R K2PGA JS
        SUSAP KFATK2FR11R  R      020ZUVEKK2EA2WALP        N          ALNAV                                             JS
```

| CITY AND STATE | ELEVATION: 336 THRE: 331 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **FRESNO, CA** | AIRPORT NAME: **FRESNO YOSEMITE INTL** | **RNAV** | **RNAV (GPS) RWY 11R, AMDT 1** | AMDT: **ORIG** |
| | | | | DATED: **09/01/2005** |

| 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: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

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.

```
SUSAP KFATK2FR11R  R      021JITMUK2EA0E S  031TF                    11260033    V 0082000831        -306          A JS
SUSAP KFATK2FR11R  R      030RW11RK2PG0GY M 031TF                    11270014      00376             -306          A JS
SUSAP KFATK2FR11R  R      040         0  M     CA                    1127        + 00800                           A JS
SUSAP KFATK2FR11R  R      050IPUJEK2EA0EY      DF                                + 02600                           A JS
SUSAP KFATK2FR11R  R      060IPUJEK2EA0EE  L   HM                    29150040    + 02600                           A JS
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2GRW11R   0080081114 N36465902W119435671+0000    +0069000331000045150R
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2PR11R  RW11R001 0000W11B0N3646590200W11943567100+006900306N3646057355W11942277575106750000000450F400000A4C15023
        SUSAP KFATK2PR11R  RW11R002E      +01008+01008LP        78330
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2SRW11RK2PG               0   18018007725                                                                        M
```

| CITY AND STATE | ELEVATION: 336 THRE: 331 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| FRESNO, CA | AIRPORT NAME: FRESNO YOSEMITE INTL | RNAV | RNAV (GPS) RWY 11R, AMDT 1 | AMDT: ORIG |
| | | | | DATED: 09/01/2005 |

| 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: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BEREN | BEREN | 010 | IAF | IF | | FB | | | | | |
| | BEREN | WOSIM | 020 | | TF | | FB | 1.0 | 151.9(165.9T) | 009.4 | AA 02000 | |
| | BLEAR | BLEAR | 010 | IAF | IF | | FB | | | | | |
| | BLEAR | WOSIM | 020 | | TF | | FB | 1.0 | 055.2(069.2T) | 012.9 | AA 02000 | |
| | FRA | FRA | 010 | | IF | | FB | | | | | |
| | FRA | ISESY | 020 | IAF | TF | | FB | 2.0 | 229.8(243.8T) | 014.1 | AA 04800 | |
| | FRA | WOSIM | 030 | | TF | | FB | 1.0 | 195.1(209.1T) | 007.0 | AA 02000 | |
| | FRAME | FRAME | 010 | | IF | | FB | | | | | |
| | FRAME | WOSIM | 020 | | TF | | FO | 2.0 | 310.2(324.2T) | 021.1 | AA 02000 | |
| | FRAME | WOSIM | 030 | IAF | HF | R | FO | | 111.2(125.2T) | 004.0 | AA 02000 | |
| | SIBOC | SIBOC | 010 | | IF | | FB | | | | | |
| | SIBOC | RIWSO | 020 | | TF | | FB | 2.0 | 278.0(292.0T) | 020.0 | AA 04000 | |
| | SIBOC | WOSIM | 030 | | TF | | FO | 2.0 | 277.7(291.7T) | 006.8 | AA 02000 | |
| | SIBOC | WOSIM | 040 | IAF | HF | R | FO | | 111.2(125.2T) | 004.0 | AA 02000 | |
| | | WOSIM | 010 | FACF | IF | | FB | | | | AA 02000 | |
| | | ZUVEK | 020 | FAF | TF | | FB | 0.5 | 111.2(125.2T) | 007.0 | AA 01900 | |
| | | JITMU | 021 | SDF | TF | | FB | 0.3 | 112.6(126.6T) | 003.3 | AA 00820 GS 00831 | |
| | | RW11R | 030 | MAP | TF | | FO | 0.3 | 112.7(126.7T) | 001.4 | AT 00376 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 112.7(126.7T) | | AA 00800 | |
| | IPUJE | 050 | | DF | | FO | | | | AA 02600 | |
| | IPUJE | 060 | | HM | L | FO | | 291.5(305.5T) | 004.0 | AA 02600 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | FRA | N370615.92 | W1193543.60 | N3706.265 | W11935.727 |
| | BEREN | N370259.30 | W1195838.91 | N3702.988 | W11958.649 |
| | BLEAR | N364916.76 | W1201048.68 | N3649.279 | W12010.811 |
| | FRAME | N363646.74 | W1194025.53 | N3636.779 | W11940.426 |
| | IPUJE | N363951.46 | W1193114.84 | N3639.858 | W11931.247 |
| | ISESY | N370000.08 | W1195131.75 | N3700.001 | W11951.529 |
| | JITMU | N364749.24 | W1194520.60 | N3647.821 | W11945.343 |
| | RIWSO | N365120.24 | W1194755.42 | N3651.337 | W11947.924 |
| | SIBOC | N364353.42 | W1192448.53 | N3643.890 | W11924.809 |
| | WOSIM | N365350.92 | W1195547.31 | N3653.849 | W11955.789 |
| | ZUVEK | N364947.19 | W1194837.88 | N3649.787 | W11948.631 |
| | RW11R | N364659.02 | W1194356.71 | N3646.984 | W11943.945 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|

| CITY AND STATE | ELEVATION: 336 | THRE: 331 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|---|
| FRESNO, CA | AIRPORT NAME: FRESNO YOSEMITE INTL | | RNAV | RNAV (GPS) RWY 11R, AMDT 1 | AMDT: ORIG |
| | | | | | DATED: 09/01/2005 |

| 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: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

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.

RW11R 00331 45

| CITY AND STATE | ELEVATION: 336 THRE: 331 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| FRESNO, CA | AIRPORT NAME: FRESNO YOSEMITE INTL | RNAV | RNAV (GPS) RWY 11R, AMDT 1 | AMDT: ORIG |
| | | | | DATED: 09/01/2005 |

| 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: | 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 | FRA VORTAC | ISESY | 1. AAO | 370738.08N/1193525.37W | 2744 (5A) | 2000 | | 4800 |
| | | | 2. TERRAIN | 370738.08N/1193525.37W | 2544 (2500) | | AS1500 | 4000 |
| FEEDER | FRAME | WOSIM | 3. TOWER (06-000576) | 363946.00N/1194107.00W | 677 (5E) | 1000 | DG323 | 2000 |
| | | | 4. TERRAIN | 365142.00N/1195351.00W | 404 (400) | | AS1500 | 1900 |
| FEEDER | SIBOC | RIWSO | 5. TREE | 364409.51N/1192428.06W | 2208 (2A) | 1700 | | 4000 |
| | | | 6. TERRAIN | 364409.51N/1192428.06W | 2108 (2100) | | AS1500 | 3600 |
| FEEDER: STEPDOWN | RIWSO | WOSIM | 7. AAO | 365315.07N/1194742.86W | 569 (2C) | 1000 | DG431 | 2000 |
| | | | 4. TERRAIN | 365142.00N/1195351.00W | 404 (400) | | AS1500 | 1900 |
| INITIAL | BLEAR | WOSIM | 8. AAO | 365513.16N/1195434.94W | 524 (2C) | 1000 | DG476 | 2000 |
| | | | 9. TERRAIN | 365524.00N/1195421.00W | 338 (300) | | AS1500 | 1800 |
| INITIAL | BEREN | WOSIM | 10. AAO | 370353.26N/1195705.40W | 604 (2C) | 1000 | | 1700 |
| | | | 11. TERRAIN | 370412.00N/1195706.00W | 453 (500) | | AS1500 | 2000 |
| INITIAL | ISESY | WOSIM | 12. AAO | 370156.07N/1195211.58W | 747 (2A) | 1000 | | 1800 |
| | | | 13. TERRAIN | 370156.07N/1195211.58W | 547 (500) | | AS1500 | 2000 |
| 2. HOLD-IN-LIEU-OF-PT | WOSIM | P-4 | 18. TOWER (06-000137) | 365757.81N/1200209.58W | 600 (4E) | 1000 | DG400 | 2000 |
| | | | 4. TERRAIN | 365142.00N/1195351.00W | 404 (400) | | AS1500 | 1900 |
| 3. MISSED APPROACH MAP: | RW11R / RW11R | IPUJE | | | | ASC | | 2600 |
| | | | 19. TOWER (06-002123) | 364009.82N/1193248.79W | 644 (2C) | 1000 | | 1700 |
| ELEV: | 560/600 | | 20. TERRAIN | 364048.00N/1193254.00W | 381 (400) | | AS1500 | 1900 |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | 484 | 21. TOWER (06-000159) | 364610.04N/1194503.88W | 515 (1C) | 300 | | 820 |
| CATEGORY B | 1.5 NM | 450 | 484 | 21. TOWER (06-000159) | 364610.04N/1194503.88W | 515 (1C) | 300 | | 820 |
| CATEGORY C | 1.7 NM | 450 | 484 | 21. TOWER (06-000159) | 364610.04N/1194503.88W | 515 (1C) | 300 | | 820 |
| CATEGORY D | 2.3 NM | 550 | 584 | 22. TOWER (06-000153) | 364617.00N/1194626.00W | 554 (4E) | 300 | AC60 | 920 |
| CATEGORY E | 4.5 NM | 550 | | | | | | | |

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW11R

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| 360-360 | AAO | 030/ 28.2 | 6660 (2A) | 7700 | | | | | |

| CITY AND STATE | ELEVATION: 336 AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| FRESNO, CA | FRESNO YOSEMITE INTL | RNAV | RNAV (GPS) RWY 11R, AMDT 1 | AWP |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | | | 3. ALTIMETER SETTING |
|---|---|---|---|---|
| FRESNO APP CON<br>FRESNO TOWER | | N W S | OTHER:<br>ASOS | SOURCE: KFAT |
| | | F A A | | DISTANCE: |
| | | A / C | | HOURS REMOTE OPERATION: |
| SATISFACTORY ON: | | | | |
| X V H F  X U H F  H F | LOCATION: KFAT | | | ADJUSTMENT: 0 |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | |
| | MONITOR POINT: | |
| | HRS OPTN: CAT 1 | |
| | HRS OPTN: CAT 3 | |
| 5. APPROACH & RUNWAY LIGHTING | X | ALSF-2 29R |
| | | (S) SALS |
| | | MALS |
| | X | HIRL 11L, 29R |
| | X | MIRL 11R, 29L |
| | X | REIL 11R, 11L |
| | X | TDZ 29R |
| | | C/LINE |
| | X | OTHER (SPECIFY)<br>PAPI-4R 29L PAPI-4L 11L, 29R |
| 6. RUNWAY MARKINGS | BASIC | BSC-G 11R, 29L |
| | ALL WEATHER | PIR-G 11L, 29R |
| | INSTRUMENT | |
| 7. RUNWAY VISUAL RANGE | APPROACH | 11L, 29R |
| | MIDFIELD | 11L, 29R |
| | ROLL OUT | 11L, 29R |
| 8. GLIDE PATH | GP ANGLE: 3.06 | ELEV RWY THRESHOLD: 330.6 |
| | DISTANCE FROM RWY: | ELEV GP ANTENNA: |
| | | THRESHOLD CROSSING HEIGHT: 45.0 |
| 9. FINAL APPROACH COURSE AIMING | X | RUNWAY THRESHOLD FT. FROM THRESHOLD |
| | | ON CENTERLINE FT. FROM CENTERLINE |

10. WAIVERS: NONE

| | |
|---|---|
| PART D - PREPARED BY: MARK D. ADAMS | DATE: 06/27/2012 |
| TITLE: AERONAUTICAL INFORMATION SPECIALIST | OFFICE: AJV-354 |

## PART C - REMARKS:

PARA 251, 34:1 PENETRATION.

SUITABLE BACKUP ALTIMETER:
MADERA MUNI (KMAE) (ASOS), ARPT ELEV=255.2, DISTANCE FROM KFAT=22.85 NM
KFAT ELEV=335.5
RASS ADJ=(2.3 X 22.85) + (0.14 X 80.3) = 63.797
RASS ADJUSTMENT: 64 FT.

TERPS, VOLUME 1, PARAGRAPH 251 PENETRATIONS:
34:1:
377 TREE (KFAT0025) 364704.25N/1194411.51W (14.40)
392 TREE (KFAT0016) 364708.84N/1194417.64W (9.54)

TAA N/A - ATC REQUEST

BUILT ENTIRELY IN IPDS/FEEDER FROM SIBOC TO RIWSO USES REDUCED ROC EVEN THOUGH IPDS WON'T APPLY IT, SO THE MIN ALT IN IPDS DOESN'T MATCH THE -5/-9.

QUADS USED FOR:
FEEDER SEGMENTS:
SIBOC - RIWSO
RIWSO - WOSIM
INITIALS:
BLEAR - WOSIM
BEREN - WOSIM
ISESY - WOSIM
INTERMEDIATE (WOSIM - ZUVEK)
FAF - SDF (LP & LNAV)

FEEDER SEGMENT FRIANT VORTAC TO ISESY IDENTIFIED AS PRECIPITOUS; ROC REDUCTIONS NOT AUTHORIZED/2000-FT ROC REQUIRED.

APPLIED VEGETATION HEIGHT OF 100 FT.

FAC OFFSET 1.32 DEGREES TO UTILIZE FAF FOR 11L.

SEE ATTACHED AIRSPACE LETTER.

IPDS WAS UNABLE TO CONSTRUCT THE TIE-IN BETWEEN THE INTERMEDIATE AND THE LP FAF ON THE OUTSIDE OF THE TURN AT THE FAF. THE TERRAIN ANALYSIS WAS TURNED OFF AND THE TIE-IN MANUALLY DRAWN TO VERIFY THE LNAV FAF - SDF CTRL OBSTACLE WAS ALSO IN THAT TIE-IN AREA.

# STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

| 1. APP SEGMENT | FROM | TO | OBSTRUCTION | COORDINATES | ELEV. MSL | ROC | ALT. ADJUSTMENTS | MIN. ALT. |
|---|---|---|---|---|---|---|---|---|
| INTERMEDIATE | WOSIM (IF/IAF) | ZUVEK | 14. AAO | 365543.71N/1195017.52W | 574 (2C) | 500 | | 1100 |
| | | | 4. TERRAIN | 365142.00N/1195351.00W | 404 (400) | | AS1500 | 1900 |
| FINAL: LP | ZUVEK | JITMU/1.40 NM TO | 15. AAO | 365038.58N/1194753.63W | 554 (2C) | 250 | | 820 |
| | | RW11R | | | | | | |
| FINAL: LP STEPDOWN | JITMU/1.40 NM TO | RW11R | 16. TREE (KFAT0016) | 364708.84N/1194417.64W | 392 (2A) | 250 | | 660 |
| | RW11R | | | | | | | |
| FINAL: LNAV | ZUVEK | JITMU/1.40 NM TO | 15. AAO | 365038.58N/1194753.63W | 554 (2C) | 250 | | 820 |
| | | RW11R | | | | | | |
| FINAL: LNAV STEPDOWN | JITMU/1.40 NM TO | RW11R | 17. TOWER (06-021729) | 364645.37N/1194413.20W | 397 (4D) | 250 | AC50 | 700 |
| | RW11R | | | | | | | |

| 3. MISSED APPROACH | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MAP: | | | | | | | | |
| | | | | | | | | | |
| | ELEV: | | | | | | | | |

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |

| CITY AND STATE | | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| FRESNO, CA | ELEVATION: 336<br>AIRPORT NAME: FRESNO YOSEMITE INTL | RNAV | RNAV (GPS) RWY 11R, AMDT 1 | AWP |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | | | 3. ALTIMETER SETTING |
|---|---|---|---|---|
| SATISFACTORY ON: | | N W S | OTHER: | SOURCE: |
| | | F A A | | DISTANCE: |
| | | A / C | | HOURS REMOTE OPERATION: |
| V H F / U H F / H F | LOCATION: | | | ADJUSTMENT: |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | |
| | MONITOR POINT: | |
| | HRS OPTN: CAT 1 | |
| | HRS OPTN: CAT 3 | |
| 5. APPROACH & RUNWAY LIGHTING | | **ALS** |
| | | **(S) SALS** |
| | | **MALS** |
| | | **HIRL** |
| | | **MIRL** |
| | | **REIL** |
| | | **TDZ** |
| | | **C/LINE** |
| | | **OTHER (SPECIFY)** |
| 6. RUNWAY MARKINGS | BASIC | |
| | ALL WEATHER | |
| | INSTRUMENT | |
| 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 | RUNWAY THRESHOLD | FT. FROM THRESHOLD |
| | ON CENTERLINE | FT. FROM CENTERLINE |

10. WAIVERS:

| | |
|---|---|
| PART D - PREPARED BY: | DATE: |
| TITLE: | OFFICE: |

PART C - REMARKS:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BEREN **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 370259.30N/1195838.91W **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 | FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CLOVIS | CZQ | VORTAC | H | 306.84 | 321.84 | 12.62 | 12.62 | | 2000 | 17500 |
| 2 | FRIANT | FRA | VORTAC | L | 243.00 | 260.00 | | 18.63 | | 2000 | 17500 |
| 3 | PANOCHE | PXN | VORTAC | L | 046.31 | 062.31 | | 43.46 | | 8000 | 10000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| PXN | VORTAC | R-046 | 44 | 70 | 175 |

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | DME | HOLDING ALTITUDES MIN | MAX | TEMPLATES MIN | MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SW | FRA | VORTAC | 243.00 | 063.00 | R | 1-1 1/2 | | 2000 | 17500 | 4 | 17 |
| 2 | NW | CZQ | VORTAC | 306.48 | 126.84 | R | 1 | | 8000 | 10000 | 9 | 10 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | AAO | 370609.00N/1195703.00W | 781 | 4E |
| 2 | 230 | AAO | 371103.00N/1195839.00W | 1106 | 4E |

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

**REMARKS:**
CLOVIS (FAC 1) AND FRIANT (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE | 2 | | KMAE | MADERA | CA (US) |
| EN ROUTE | V23 | 1, 2 | | | | (US) |
| IAP | HI-VOR/DME OR TACAN RWY 11L | 1, 2, 3 | 2 | KFAT | FRESNO | CA (US) |
| IAP | LOC RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |
| IAP | VOR/DME OR TACAN RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | GPS RWY 12 | | | KFCH | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 30 | | | KMAE | MADERA | CA (US) |
| IAP | VOR RWY 30 | 1, 2 | 1 | KMAE | MADERA | CA (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 12 **DATE OF REVISION:** 11/15/2012

**REASON FOR REVISION:**
1. UPDATED CZQ VTAC AND FRA VTAC FROM HISTORY TO ACTIVE REVISIONS.
2. REMOVED SIPZY FROM FACILITIES.
3. REMOVED PXN VTAC FROM REMARKS (BACKUP FACILITIES) AND ADDED IT TO FACILITIES.
4. DELETED HOLDING PATTERN 3 (WP HOLDING) DUE TO NO USE FOUND.
5. UPDATED HOLDING PAT 2 CTRL OBST FROM A 1184' AAO @ 371109N-1195741W.
6. CHANGED PAT 2 MIN & MAX HOLD ALTITUDES FROM 10/17 RESPECTIVELY AND CHANGED LEG LENGTH TIME FROM 1-1 1/2 DUE TO PAT 2 ALTITUDES USED ON KFAT HI-VOR/DME OR TACAN RWY 11L.
7. UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 06/28/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** WST
**ARTCC:** ZOA

QUALITY 3 CHECKED

**ATC FACILITY:** KFAT APP CON
**OTHER:** NORCAL APP CON

QUALITY CHECKED 3

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BLEAR **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 364916.76N/1201048.68W **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 | FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CLOVIS | CZQ | VORTAC | H | 242.99 | 257.99 | 17.98 | 17.98 | | 2000 | 17500 |
| 2 | EL NIDO | HYP | VOR/DME | L | 141.03 | 156.03 | | 26.09 | | 2000 | 17500 |

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| UPN | 200 | AAO | 365006.00N/1195845.00W | 538 | 4E |

**HOLDING RESTRICTIONS:**
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2000.

**REMARKS:**
CLOVIS (FAC 1) AND EL NIDO (FAC 2) USED TO ESTABLISH FIX COORDINATES
FOR UNPLANNED HOLDING EVALUATION, USED TEMPLATE #5 PER 7130 PARA 4/8(C) FOR MIN HOLDING ALT 2000'(AIRWAY MEA).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V585 | 1, 2 | | | | (US) |
| EN ROUTE | V230 | 1, 2 | | | | CA (US) |
| IAP | RNAV (GPS) RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |
| IAP | GPS RWY 12 | | | KFCH | FRESNO | CA (US) |
| IAP | NDB OR GPS-B | | | KFCH | FRESNO | CA (US) |
| IAP | VOR/DME OR GPS-C | 1 | | KFCH | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 12 | | | KMAE | MADERA | CA (US) |
| IAP | RNAV GPS RWY 30 | | | KMAE | MADERA | CA (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 11 **DATE OF REVISION:** 11/15/2012

**REASON FOR REVISION:**
1. REPLACED HISTORY REVISIONS OF CZQ VTAC & HYP VDME WITH ACTIVE REVISIONS.
2. REMOVED SIPZY FROM FACILITIES.
3. UPDATED CTRL OBST FOR UNPLANNED HOLDING FROM A 873 FT MSL TOWER(05-0081)@ 364138.00N/1200321.00W TO A 538 FT MSL AAO. THE 873 FT TOWER IS IN THE SECONDARY AREA OF THE HOLDING PATTERN USING TEMPLATE #5 FOR UNPLANNED HOLDING.
4. UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 06/28/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** KFAT APP CON
**OTHER:** NORCAL APP CON

QUALITY 3 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FRAME **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 363646.74N/1194025.53W **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 | CLOVIS | CZQ | VORTAC | H | 142.21 | 157.21 | 17.63 | 17.63 | | 2000 | 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 | SE | | WP | 120.52 | 300.52 | L | | 4 | 2000 | 14000 | 4 | 11 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (06-000165) | 364130.00N/1194049.00W | 719 | 1D |

**REASON FOR NONSTANDARD HOLDING:**
PAT 1 ATC

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

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V23 | 1 | | | | (US) |
| IAP | RNAV (GPS) RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 29L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 29R | | | KFAT | FRESNO | CA (US) |
| IAP | GPS (RWY 12 | | 1 | KFCH | FRESNO | CA (US) |
| IAP | GPS RWY 30 | | 1 | KFCH | FRESNO | CA (US) |
| IAP | NDB OR GPS-B | | | KFCH | FRESNO | CA (US) |
| IAP | VOR/DME OR GPS-C | 1 | | KFCH | FRESNO | CA (US) |
| IAP | RNAV (GPS) A | | | KHJO | HANFORD | CA (US) |
| IAP | RNAV (GPS) RWY 12 | | | KVIS | VISALIA | CA (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 11 **DATE OF REVISION:** 11/15/2012

**REASON FOR REVISION:**
REPLACED HISTORY REVISION OF FAC 1 WITH ACTIVE REVISION.

**DEVELOPED BY:** **DATE:** 07/13/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZOA, ZLA
**ATC FACILITY:** FRESNO APP CON
**OTHER:**

QUALITY 3 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FRIANT VORTAC **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 370615.92N/1193543.60W **TYPE:**

**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 | FRIANT | FRA | VORTAC | L | | | | | | | 17500 |

**FIX RESTRICTIONS:**
MCA V230 9000 NORTHEAST BOUND

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | COALDALE | | | KFAT | FRESNO | CA (US) |
| DP | FRESNO | | | KFAT | FRESNO | CA (US) |
| DP | TAKEOFF MINIMUMS | | | KMAE | MADERA | CA (US) |
| EN ROUTE | V230 | | | | | CA (US) |
| EN ROUTE | V459 | | | | | CA (US) |
| EN ROUTE | J7 | | | | , | CA (US) |
| EN ROUTE | V332 | | | | , | CA (US) |
| IAP | VOR OR GPS-A | | | KBIH | BISHOP | CA (US) |
| IAP | HI-VOR/DME OR TACAN RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | HI-VOR/DME OR TACAN RWY 29R | | | KFAT | FRESNO | CA (US) |
| IAP | ILS OR LOC/DME RWY 29R | | | KFAT | FRESNO | CA (US) |
| IAP | ILS RWY 29R (CAT II) | | | KFAT | FRESNO | CA (US) |
| IAP | ILS RWY 29R (CAT III) | | | KFAT | FRESNO | CA (US) |
| IAP | LOC RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 29L | | | KFAT | FRESNO | CA (US) |
| IAP | VOR/DME OR TACAN RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | VOR/DME OR TACAN RWY 29R | | | KFAT | FRESNO | CA (US) |
| IAP | VOR RWY 30 | | | KMAE | MADERA | CA (US) |
| IAP | FROGO | | | KSMF | SACRAMENTO | CA (US) |
| STAR | ALTTA | | | KFAT | FRESNO | CA (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 5 **DATE OF REVISION:** 11/15/2012

**REASON FOR REVISION:**
UPDATED FIX USE.
UPDATED LAT/LONG TO MATCH NASR, LONG CHANGED FROM 1193543.61W TO 1193543.60W.

**DEVELOPED BY:** **DATE:** 09/06/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** FRESNO ATCT
**OTHER:** FRESNO APP CON

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ISESY **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 370000.08N/1195131.75W **TYPE:** WP

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 11/15/2012

**DEVELOPED BY:** **DATE:** 06/28/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** KFAT ATCT
**OTHER:** FRESNO APP CON

QUALITY CHECKED 3

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** IPUJE **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 363951.46N/1193114.84W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:** ESTABLISH

**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 | E | | WP | 111.46 | 291.46 | L | | 4 | 2600 | 4000 | 5 | 5 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | AAO | 364144.23N/1192516.97W | 1952 | 2A |

**REMARKS:**
HOLD PAT 1 CTRL OBST PRI EQ HEIGHT IS 1323 (SA -629).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 11R | | 1 | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 29L | | 1 | KFAT | FRESNO | CA (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 11/15/2012

**DEVELOPED BY:** **DATE:** 06/30/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** FRESNO APP CON
**OTHER:**

QUALITY 3 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** JITMU **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 364749.24N/1194520.60W **TYPE:** WP

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 11/15/2012

**DEVELOPED BY:** **DATE:** 06/21/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** KFAT ATCT
**OTHER:** FRESNO APP CON

QUALITY 3 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** RIWSO **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 365120.24N/1194755.42W **TYPE:** WP

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 11/15/2012

**DEVELOPED BY:** **DATE:** 06/28/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** KFAT ATCT
**OTHER:** FRESNO APP CON

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SIBOC **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 364353.42N/1192448.53W **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 | FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FRIANT | FRA | VORTAC | L | 141.55 | 158.55 | 24.00 | 24.00 | | 5000 | 17500 |

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V459 | 1 | | | | (US) |
| IAP | RNAV (GPS) RWY 11L | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 29R | | | KFAT | FRESNO | CA (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 11/15/2012

**REASON FOR REVISION:**
1. UPDATED FRA VTAC FROM HISTORY TO ACTIVE REVISION.
2. REMOVED SANGO FROM FACILITIES.
3. UPDATED FIX USE TO CURRENT FORMAT.

**DEVELOPED BY:** **DATE:** 06/28/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** KFAT APP CON
**OTHER:**

QUALITY 3 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WOSIM **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 365350.92N/1195547.31W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:** ESTABLISH

**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 | W | | WP | 291.20 | 111.20 | R | | 4 | 2000 | 6000 | 4 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (06-000137) | 365757.81N/1200209.58W | 600 | 4E |

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 11R | | 1 | KFAT | FRESNO | CA (US) |
| IAP | RNAV (GPS) RWY 29L | | 1 | KFAT | FRESNO | CA (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 11/15/2012

**DEVELOPED BY:** **DATE:** 06/21/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** FRESNO APP CON
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ZUVEK **STATE:** CA **COUNTRY:** US

**LATITUDE/LONGITUDE:** 364947.19N/1194837.88W **TYPE:** WP

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 11R | | | KFAT | FRESNO | CA (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 11/15/2012

**DEVELOPED BY:** **DATE:** 07/14/2012 **OFFICE:** AJV-354 **NAME:** MARK ADAMS

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** WST
**ARTCC:** ZOA
**ATC FACILITY:** KFAT ATCT
**OTHER:** FRESNO APP CON

QUALITY 3 CHECKED

# TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **FRESNO** STATE: **CA**

AIRPORT NAME: **FRESNO YOSEMITE INTL** ID: **KFAT**

PROCEDURE: **RNAV (GPS) RWY 11R** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

**ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.**

1. Distance from **THLD** to 1000' point **3.15**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **126.62**
4. High Terrain in **FINAL** segment containing 1000' point **354**
5. Distance from **FAF** to 1500' point **6.83**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **125.20**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **404**
9. Threshold Coordinates (if straight-in) ... **364659.02N** / **1194356.71W**
10. ARP Coordinates ..... **364634.30N** / **1194305.30W**
11. Runway Approach End and distance furthest from ARP ..... RWY **29R**
    Distance **0.83** NM
12. FAF Coordinates ..... **364947.19N** / **1194837.88W**

**REMARKS: Approach/Drawing attached.**