

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

| | | | | | |
|---|---|---|---|-------------------------------------|----------------------------------|
| <u>AIRPORT</u> MOFFETT FEDERAL AFLD | <u>AIRPORT ID</u> KNUQ | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 14L | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> MOUNTAIN VIEW | <u>STATE</u> CA |
| <u>AIRPORT ELEVATION</u> 37 | <u>TDZE</u> 6 | <u>SUPERSEDED</u> RNAV (GPS) RWY 14L | <u>ORIGINAL/AMENDMENT</u> ORIG | <u>DATED</u> 07/19/2018 | <u>MAG VAR</u> 16E |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019 | <u>REQUIRED EFFECTIVE DATE</u> 06/20/2019 | <u>CANCEL/SUSPEND</u> | <u>EPOCH YEAR</u> 1980 |

TERMINAL ROUTES

| <u>FROM</u> | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| OAK VOR/DME | | PEYIC | | TF | FB | 1.00 | 129.74 | 3.35 | 3200 |
| PEYIC | IAF | EVOCU | | TF | FB | 1.00 | 141.63 | 5.00 | 2600 |
| EVOCU | IF | NIRYI | | TF | FB | 1.00 | 141.65 | 6.09 | 1700 |
| NIRYI | FAF | RW14L | MAP | TF | FO | 0.30 | 141.69 | 5.15 | |
| RW14L | MAP | MSL | | CA | | | 141.69 | | |
| MSL | | PEYIC | | DF | FO | 1.00 | | | 3200 |

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW14L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3200 DIRECT PEYIC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT PEYIC

3. FAC:

141.69

FAF:

NIRYI

DIST FAF TO MAP:

5.15

DIST FAF TO THLD:

5.15

4. MIN ALT: PEYIC 3200, EVOCU 2600, NIRYI 1700

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT:

0.62

GS ANT:

6. MIN GP INCPT:

1700

GP ALT AT FAF :

NIRYI 1700

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1:

IS CLEAR

20:1:

IS CLEAR

TCH:

53.2

8. MSA FROM: RW14L 5600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OAK VOR/DME ON V25 AND V87 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART ARRIVAL HOLDING AT PEYIC: HOLD NW, RT, 141.63 INBOUND, 3200.
CHART CIRCLING ICON.
CHART VDP AT 1.12 NM TO RW14L*
*LNAV ONLY
WAAS CHANNEL #70442
REFERENCE PATH ID: W14A
CHART FAS OBST: 177 TRANSMISSION_LINE 372653N/1220438W.
CHART: 212 TRANSMISSION_LINE 373029N/1220503W.
LTP HAE: -31 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

| CATEGORY: | A | | | B | | | C | | | D | | | E | | |
|--------------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-----|---------|
| FINAL TYPE | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA |
| LPV DA | 256 | 3/4 | 250 | 256 | 3/4 | 250 | 256 | 3/4 | 250 | 256 | 3/4 | 250 | | | |
| LNAV/VNAV DA | 326 | 7/8 | 320 | 326 | 7/8 | 320 | 326 | 7/8 | 320 | 326 | 7/8 | 320 | | | |
| LNAV MDA | 440 | 1 | 434 | 440 | 1 | 434 | 440 | 1 1/4 | 434 | 440 | 1 1/4 | 434 | | | |
| CIRCLING | 540 | 1 | 503 | 600 | 1 | 563 | 620 | 1 1/2 | 583 | 780 | 2 1/4 | 743 | | | |



CHANGES - REASONS

1. CHANGED INTERMEDIATE COURSE FROM 141.66 TO 141.65; CHANGED DISTANCE FROM 6.10 NM TO 6.09 NM - PFAF NIRYI MOVED NORTH.
2. FINAL APPROACH COURSE CHANGED FROM 141.68 TO 141.69 - PFAF NIRYI MOVED NORTH
3. MISSED APPROACH CA LEG COURSE CHANGED FROM 141.68 TO 141.69 - ALIGNED WITH FINAL APPROACH COURSE.
4. CRC REMAINDER CHANGED FROM C024E5A8 TO AF8A9426 - TCH CHANGED FROM 53.0 TO 53.2.
5. FPAP LATITUDE/LONGITUDE CHANGED FROM 372419.987N/1220233.363W TO 372419.9873N/1220233.3628W - PER FPAP CALCULATION.
6. CHANGED FOR UNCOMPENSATED BARO-VNAV NOTE FROM: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F)" TO: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C OR ABOVE 54C - REMOVED FAHRENHEIT TEMPERATURES IAW 8260.19H CRITERIA.
7. PROCEDURAL TCH CHANGED FROM 53.0 TO 53.2 - MATCH VGSi TCH.
8. REMOVED CHART: 177 TRANSMISSION LINE 373013.20N/1220724.00W FROM NOTES - ALREADY LISTED IN ADDITIONAL FLIGHT DATA.
9. LPV DA CHANGED FROM 255 TO 256 - CHART CORRECTION.
10. LNAV/VNAV DA/HAT CHANGED FROM 391/386 TO 326/320 - NEW OBSTACLE EVALUATION.
11. LNAV/VNAV VISIBILITY CHANGED FROM 1-1/8 SM TO 7/8 SM - PER 8260.3D VISIBILITY TABLE.
12. REMOVED NOTE: CIRCLING RWY 32L NA AT NIGHT - AIRPORT REMOVED 20:1 PENETRATION.

COORDINATED WITH:

A4A☐

ALPA☒

AOPA☒

APA☐

HAI☐

NBAA☒

OTHER: APRT MGR, ZOA, NORCAL APP CON, NUQ ATCT.

FLIGHT CHECKED BY

PENDING

OFFICE

DATE

DEVELOPED BY

MIKE MELSSEN

Digitally signed by

MIKE MELSSEN

Mar 25, 2019

OFFICE

AJV-A432

DATE

01/02/2019

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Mar 28, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|--------------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KNUQ |
| RUNWAY | RW14L |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W14A |
| LTP/FTP LATITUDE | 372544.1280N |
| LTP/FTP LONGITUDE | 1220316.5940W |
| LTP/FTP ELLIPSOIDAL HEIGHT | -00310 |
| FPAP LATITUDE | 372419.9870N |
| FPAP LONGITUDE | 1220233.3625W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00053.2 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| | |
| CRC REMAINDER | AF8A9426 |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +00016 |
| FPAP ORTHOMETRIC HEIGHT | +00016 |

