

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> FRESNO CHANDLER EXECUTIVE | <u>AIRPORT ID</u> KFCH | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 12 | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> FRESNO | <u>STATE</u> CA | |
| <u>AIRPORT ELEVATION</u> 280 | <u>TDZE</u> 280 | <u>SUPERSEDED</u> GPS RWY 12 | <u>ORIGINAL/AMENDMENT</u> ORIG-C | <u>DATED</u> 01/07/2016 | <u>MAG VAR</u> 15E | <u>EPOCH YEAR</u> 1985 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

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> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| NIVEE | | NAHNT | | TF | FB | 1.00 | 221.44 | 10.99 | 3300 |
| NAHNT | IAF | SIPZY | NOPT | TF | FB | 1.00 | 200.60 | 6.80 | 3000 |
| PHYLA | IAF | SIPZY | NOPT | TF | FB | 1.00 | 020.51 | 6.80 | 3000 |
| SIPZY | IF/IAF | EWNEL | | TF | FB | 1.00 | 110.56 | 6.10 | 1900 |
| EWNEL | FAF | RW12 | MAP | TF | FO | 0.30 | 110.62 | 4.97 | |
| RW12 | MAP | 800 MSL | | CA | | | 110.62 | | 800 |
| 800 MSL | | FRAME | | DF | FO | 1.00 | | | 2000 |

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 DIRECT FRAME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD W SIPZY, RT, 110.56 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 110.62FAF: EWNELDIST FAF TO MAP: 4.97DIST FAF TO THLD: 4.97

4. MIN ALT: SIPZY 3000, EWNEL 1900

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.66GS ANT:

6. MIN GP INCPT: 1900GP ALT AT FAF : EWNEL 1900OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW12 6100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1°C OR ABOVE 54°C.
CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING RWY 30 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIVEE ON V230 NORTHEAST BOUND.
CHART SPEED ICON IN PLANVIEW AT NAHNT: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT PHYLA: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
CHART VDP AT 1.44 NM TO RW12*
*LNAV ONLY
WAAS CHANNEL #49242
REFERENCE PATH ID: W12A
CHART FAS OBST: 521 TOWER 364428N/1195116W.
HOLD SE, LT, 311.39 INBOUND
LTP HAE: 52.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

| 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 | 530 | 3/4 | 250 | 530 | 3/4 | 250 | 530 | 3/4 | 250 | | NA | | | | |
| LNAV/VNAV DA | 809 | 1 1/2 | 529 | 809 | 1 1/2 | 529 | 809 | 1 1/2 | 529 | | NA | | | | |
| LNAV MDA | 780 | 1 | 500 | 780 | 1 | 500 | 780 | 1 3/8 | 500 | | NA | | | | |
| CIRCLING | 960 | 1 | 680 | 960 | 1 | 680 | 960 | 2 | 680 | | NA | | | | |



CHANGES - REASONS

1. LPV AND LNAV/VNAV MINIMA ADDED - PER CHECKLIST.
2. FAF EWNEL (NOW PFAF) TO MAP LENGTH FROM 5 TO 4.97- BUILT TO 3.00/40 VICE 2.98/40 PER CHECKLIST.
3. LNAV MDA FROM 820 TO 780, CAT C VIS FROM 1 1/2 TO 1 3/8 - PER LATEST OBS EVAL.
4. CIRCLING MDA FROM 1020 TO 960, ADDED CHART CIRCLING ICON - PER LATEST OBS EVAL/CHG 21 CIRC CRITERIA.
5. IF/IAF SIPZY TO EWNEL LENGTH FROM 5 TO 6.1, HIL ADDED AND ALT RAISED TO 3000 VICE 2000 - PER CHECKLIST. ATC WANTS TO KEEP SIPZY NAME.
6. IAF SEGMENTS FROM BLEAR AND BEREN TO SIPZY REMOVED AND ASSOCIATED PROCEDURE NA FOR ARRIVALS NOTES REMOVED, REPLACED WITH NEW IAFS FROM PHYLA AND NAHNT TO RELOCATED SIPZY, AND NEW FEEDER FROM NIVEE TO NAHNT - PER CHECKLIST.
7. VDP 1.44 NM TO RW 12 ADDED - PROCEDURE QUALIFIES FOR VDP.
8. ADDED PBN REQ NOTE RNP APCH - PER CRITERIA.
9. ALTIMETER SETTING NOTE REMOVED - MOVED TO BACK OF -9, KFCH ON WMSCR.
10. UPDATED HELI NOTE - PER CRITERIA/34:1 PENS.
11. ADDED CHART NOTE: CIRCLING RWY 30 NA AT NIGHT - PER 20:1 PEN.
12. ADDED BARO-VNAV AND VDP NA NOTE - NA WHEN USING BU ALT.
13. PROCEDURE NAME FROM GPS RWY 12 TO RNAV (GPS) RWY 12 - PER CHECKLIST.
14. ADDED UNCOMPENSATED BARO-VNAV NOTE - PER ADDITION OF LNAV/VNAV MINS.
15. MISSED APPROACH INSTRUCTION CHANGED FROM CLIMBING RIGHT TURN TO 2000 DIRECT FRAME AND HOLD TO READ CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 DIRECT FRAME AND HOLD - TURN REQUIRED IN MISSED, NEED CLIMB TO INSTRUCTION.
15. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIVEE ON V230 NORTHEAST BOUND - PER 19H CRITERIA.
16. ADDED CHART SPEED ICON IN PLANVIEW AT PHYLA: MAX 210 KIAS AND CHART SPEED ICON IN PLANVIEW AT NAHNT: MAX 210 KIAS - PER CHECKLIST.
17. FPAP CORDS CHANGED FROM 364311.6765N/1194757.1155W TO 364311.6795N/1194757.1190W - PER LTP CORDS CHANGE.
18. CRC REMINDER CHANGED FROM 579E271B TO D8F3D42D - PER LTP CORDS CHANGE.

7/1/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/16/19.

1. 8260-3 LINE 3, LINE 6 - CHANGED PFAF REFERENCES TO FAF.
2. IN ALTERNATE MINS, ADDED NA WHEN LOCAL WEATHER NOT AVAILABLE.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZOA, FRESNO APP CON, AMGR

FLIGHT CHECKED BY

JORDAN ALEXANDER ROLIH

OFFICE

FIOG

DATE

04/11/2019

Digitally signed by

ALLAN WILL

Jul 17, 2019

DEVELOPED BY

PHILLIP BRANDENBURG

Digitally signed by

PHILLIP BRANDENBURG

Jul 01, 2019

OFFICE

AJV-5423

DATE

10/23/2018

Digitally signed by

OFFICE

AJV-5420

DATE

ALLAN WILL

Jul 17, 2019

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|--------------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KFCH |
| RUNWAY | RW12 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W12A |
| LTP/FTP LATITUDE | 364403.7100N |
| LTP/FTP LONGITUDE | 1194927.1550W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00527 |
| FPAP LATITUDE | 364311.6795N |
| FPAP LONGITUDE | 1194757.1190W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1768 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| | |
| CRC REMAINDER | D8F3D42D |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +00849 |
| FPAP ORTHOMETRIC HEIGHT | +00849 |