

**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 ID</u> KFCH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> FRESNO	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 280	<u>TDZE</u> 280	<u>SUPERSEDED</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 10/10/2019	<u>MAG VAR</u> 15E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022	<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. FAF: 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 FAF: 4.97MM:IM:150 HAT:250 HAT: 0.66GS ANT:

6. MIN GP INCPT: 1900GP ALT AT PFAF : 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 - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 30 NA AT NIGHT.
CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1°C OR ABOVE 54°C.
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 PHYL: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
HOLD SE, LT, 311.39 INBOUND.
CHART FAS OBST: 521 TOWER (06-000168) 364428N/1195116W.
CHART VDP AT 1.44 NM TO RW12.
WAAS CHANNEL # 49242
REFERENCE PATH ID: W12A
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	1	250	530	1	250	530	1	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				

QUALITY
30
CHECKED

CHANGES - REASONS

1. ADDED "DIST TO THLD FROM FAF: 4.97" TO PROFILE LINE 5 -- UPDATED IAW 8260.19I, 8-6-7.E.
2. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" -- UPDATED IAW 8260.19I, 8-6-8.B.
3. RAISED LPV VISIBILITY FROM "3/4" TO "1" -- FPT REQUEST; ALP DOES NOT SUPPORT VISIBILITY LESS THAN 1 SM.
4. DELETED ASTERISK FROM VDP AND "" LNAV ONLY" IN ADDITIONAL FLIGHT DATA -- UPDATED IAW 8260.19I, 1-1-5.F(12).

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOA, FRESNO APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021,
SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by

DATE

JASON KRETSCHMER

Jan 07, 2022

DEVELOPED BY

JASON KRETSCHMER (DANIEL C JOHNSEN)

Digitally signed by

JASON KRETSCHMER

Jan 07, 2022

OFFICE

AJV-A421

DATE

10/28/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Jan 07, 2022

OFFICE

AJV-A420

DATE

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

