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.

AIRPORT AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY
FRESNO YOSEMITE INTL KFAT RNAV (GPS) RWY 11L 2 FRESNO

 AIRPORT ELEVATION
 TDZE
 SUPERSEDED
 ORIGINAL/AMENDMENT
 DATED
 MAG VAR
 EPOCH YEAR

 336
 336
 RNAV (GPS) RWY 11L
 1B
 12/07/2017
 13E
 2020

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE RNAV REQUIRED EFFECTIVE DATE ROUTINE CANCEL/SUSPEND ROUTINE

TERMINAL ROUTES

<u>FROM</u>	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	<u>DISTANCE</u>	ALTITUDE
SIBOC		RIWSO		TF	FB	1.00	278.95	20.00	4000
RIWSO		MORLA		TF	FO	1.00	275.53	5.50	3000
FRAME		MORLA		TF	FO	1.00	312.42	19.80	3000
BLEAR	IAF	MORLA	NOPT	TF	FB	1.00	060.79	13.69	3000
ISESY	IAF	MORLA	NOPT	TF	FB	1.00	185.65	5.51	3000
EBTUW	IAF	MORLA	NOPT	TF	FB	1.00	135.02	30.93	3000
MORLA	IF/IAF	SLACK		TF	FB	1.00	112.24	6.00	1800
SLACK	FAF	WEPOX/1.31 NM TO RW11L		TF	FB	0.30	112.31	3.14	
WEPOX/1.30 NM TO RW11L		RW11L	MAP	TF	FO	0.30	112.31	1.31	
RW11L	MAP	536 MSL		CA			112.31		
536 MSL		SANGO		DF	FO	1.00			2600

MISSED APPROACH

MAP: LPV: DA LNAV/VNAV: DA LNAV: RW11L

MISSED APPROACH INSTRUCTIONS: CLIMB TO 2600 DIRECT SANGO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

OVALITY 10 CAYECKED

STATE

CA

AIRPORT AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
FRESNO YOSEMITE INTL KFAT RNAV (GPS) RWY 11L 2 FRESNO CA

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD W MORLA, RT, 112.24 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 112.31 **FAF:** SLACK **DIST FAF TO MAP:** 4.45 **DIST FAF TO THLD:** 4.45

4. MIN ALT: MORLA 3000, SLACK 1800, WEPOX/1.31 NM TO RW11L 800*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.48 GS ANT:

6. MIN GP INCPT: 1800 GP ALT AT FAF : SLACK 1800 OM: MM: IM:

7. GP ANGLE: 3.00 **34:1**: IS CLEAR **20:1**: IS CLEAR **TCH**: 50.0

8. MSA FROM: RW11L 7800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1°C OR ABOVE 54°C.

*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SIBOC ON V459 SOUTHEAST BOUND.

CHART SPEED ICON IN PLANVIEW AT ISESY: MAX 220 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON. WAAS CHANNEL #77505 REFERENCE PATH ID: W11A

CHART FAS OBST: 439 TREE 364727N/1194335W.

CHART: 364 POLE 364726N/1194537W.

554 AAO 365036N/1194744W.

HOLD E, LT, 292.46 INBOUND

LTP HAE: 69.7 M

MINIMUMS:

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

ALTERNATE: NA STANDARD

CATEGORY:	Α		В			С			D			E			
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LPV DA	536	4000	200	536	4000	200	536	4000	200	536	4000	200			
LNAV/VNAV DA	620	4500	284	620	4500	284	620	4500	284	620	4500	284			
LNAV MDA	700	5500	364	700	5500	364	700	5500	364	700	5500	364			
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584			. Al /2

AIRPORT AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
FRESNO YOSEMITE INTL KFAT RNAV (GPS) RWY 11L 2 FRESNO CA

CHANGES - REASONS

- 1. FEEDER FRAME MEA CHANGED FROM 2000 TO 3000 DUE TO RAISING INTERMEDIATE ALTITUDE. BUILT TO MEET CURRENT DESCENT GRADIENT CRITERIA AND FPT REQUEST.
- 2. FEEDER RIWSO MEA CHANGED FROM 2000 TO 3000 DUE TO RAISING INTERMEDIATE ALTITUDE. BUILT TO MEET CURRENT DESCENT GRADIENT CRITERIA AND FPT REQUEST.
- 3. REMOVED FEEDER TO ISESY AND IAF ISESY LOCATION MOVED. VORMON PROJECT AND FPT REQUEST.
- 4. REMOVED IAF AT BEREN AND REPLACED WITH IAF FROM EBTUW. AIRWAY REDESIGN INVOLVING VORMON.

HAI

- 5. IAF BLEAR MEA CHANGED FROM 2000 TO 3000 DUE TO RAISING INTERMEDIATE ALTITUDE. BUILT TO MEET CURRENT DESCENT GRADIENT CRITERIA AND FPT REQUEST.
- 6. CHANGED INTERMEDIATE ALTITUDE FROM 2000 TO 3000. FPT REQUEST.
- 7. TCH CHANGED FROM 55FT TO 50FT. BUILT TO MATCH VGSI.

AOPA X

- 8. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT FRAME ON V23 SOUTHEAST BOUND V23 FROM FRAME TO EBTUW CANCELING DUE TO CZQ VORTAC BECOMING TACAN ONLY.
- 9. LNAV/VNAV DA/HATRAISED FROM 586/250 TO 620/284. 100FT VEGETATION NOW USED PER FPT AND NEW TERRAIN STUDY.
- 10. LNAV MDA/HAT RAISED FROM 680/344 TO 700/364. -100FT VEGETATION NOW USED PER FPT AND NEW TERRAIN STUDY.
- 11. CHANGED NOTE FROM "CHART NOTE: DME/DME RNP-0.3 NA." TO "RNP APCH." DME/DME NOTE NO LONGER APPLICABLE, PBN EQUIPMENT REQUIREMENTS NOTES NOW REQUIRED PER 8260.19H AND MEMO 257.
- 12. WEPOX MOVED FROM 1.3NM TO 1.31NM FROM RWY 11L. TCH DECREASED FROM 55FT TO 50FT.

APA X

May 06, 2019

- 13. REMOVED VGSI AND RNAV GLIIDEPATH NOT COINCIDENT NOTE. VGSI AND RNAV GLIDEPATH NOW COINCIDENT DUE TO FPT REQUEST.
- 14. ADDED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL AT SIBOC ON V459 SOUTHEAST BOUND TURN AT SIBOC IN EXCESS OF 90 DEGREES.
- 15. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT BLEAR ON V230-585 WESBOUND" V585 DOES NOT EXIST AND REDESIGN OF V230 MEANS AIRCRAFT WILL ENTER PROCEDURE FROM ISESY IF ON V230 SOUTHWEST BOUND.

OTHER: ZOA, FAT APP CON, FAT ATCT, AMGR

- 16. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT BEREN ON V23 NORTHWEST BOUND" BEREN IAF REMOVED FROM PROCEDURE.
- 17. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS ON FRA VORTAC AIRWAY RADIALS 202 CW 302 FRA FEEDER REMOVED FROM PROCEDURE.
- 18. LTP LATITUDE CHANGED FROM "364702.4050N" TO "364702.4060N" NEW AIRPORT SURVEY SINCE PRIOR PROCEDURE AMENDMENT.

NBAA X

- 19. FPAP LAT/LONG CHANGED FROM "364607.8210N/194212.6875W" TO "364607.8230N/1194212.6895W" LOWERED TCH FROM 54.5FT TO 50.0FT.
- 20. CRC REMAINDER CHANGED FROM DE3B0306 TO FAC4D10C NEW ALPHANUMBERIC GENERATED SIAP VALUE DUE TO PROCEDURE REDESIGN.

COORDINATED WITH: A4A X ALPA X

FLIGHT CHECKED BY		Di	igitally signed by	<u>OFFICE</u>	<u>DATE</u>	
THOMAS E MOLOKIE		CAS	SIMIR L TABAKA	FICO	4/15/19	
			May 06, 2019			
DEVELOPED BY		Digitally signed by	•	<u>OFFICE</u>	<u>DATE</u>	
ROBERT G HAMILTON (AUSTIN GOTCHER)		CASIMIR L TABAKA		AJV-5422	12/04/2018	
APPROVED BY JULIE MORGAN	Digitally signed by CASIMIR L TABAKA	May 06, 2019		OFFICE AJV-5420	DATE	<u>TITLE</u> MANAGER

AIRPORT AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
FRESNO YOSEMITE INTL KFAT RNAV (GPS) RWY 11L 2 FRESNO CA

FAS DATA BLOCK INFORMATION

LTP/FTP LATITUDE

LTP/FTP LONGITUDE

DATA FIELD	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFAT
RUNWAY	RW11L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A

LTP/FTP ELLIPSOIDAL HEIGHT +00697

FPAP LATITUDE 364607.8230N

FPAP LONGITUDE 1194212.6895W

THRESHOLD CROSSING HEIGHT (TCH) 00050.0

364702.4060N

1194348.3080W

TCH UNITS SELECTOR (METERS OR FEET USED)

GLIDEPATH ANGLE (GPA)

COURSE WIDTH AT THRESHOLD

LENGTH OFFSET

HORIZONTAL ALERT LIMIT (HAL)

VERTICAL ALERT LIMIT (VAL)

F

03.00

40.0

40.0

CRC REMAINDER FAC4D10C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +01015
FPAP ORTHOMETRIC HEIGHT +01015

