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 FRESNO YOSEMITE INTL

AIRPORT ID KFAT PROCEDURE NAME
RNAV (GPS) RWY 11R

ORIGINAL/AMENDMENT
3

<u>CITY</u> FRESNO STATE CA

AIRPORT ELEVATION
336

<u>TDZE</u> 333 SUPERSEDED RNAV (GPS) RWY 11R ORIGINAL/AMENDMENT
2B

DATED 12/07/2017

MAG VAR 13E EPOCH YEAR 2020

FACILITY RNAV

COORDINATES OF FACILITIES

ACTUAL EFFECTIVE DATE 10 OCTOBER 2019 REQUIRED EFFECTIVE DATE

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		WOSIM		TF	FO	1.00	277.29	6.56	3000
FRAME		WOSIM		TF	FO	1.00	311.12	20.77	3000
BLEAR	IAF	WOSIM	NOPT	TF	FB	1.00	057.41	12.95	3000
ISESY	IAF	WOSIM	NOPT	TF	FB	1.00	196.89	5.41	3000
EBTUW	IAF	WOSIM	NOPT	TF	FB	1.00	136.01	30.00	3000
WOSIM	IF/IAF	ZUVEK		TF	FB	1.00	112.23	7.00	1800
ZUVEK	FAF	JITMU/1.32 NM TO RW11R		TF	FB	0.30	112.30	3.14	
JITMU/1.32 NM TO RW11R		RW11R	MAP	TF	FO	0.30	112.30	1.32	
RW11R	MAP	584 MSL		CA			112.30		
584 MSL		IPUJE		DF	FO	1.00			2600

MISSED APPROACH

MAP: LPV: DA

LNAV/VNAV: DA LNAV: RW11R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT IPUJE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

OVALITY 10 CHECKED

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

PROFILE:

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

2. HOLD W WOSIM, RT, 112.23 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 112.30 FAF: ZUVEK **DIST FAF TO MAP: 4.46 DIST FAF TO THLD: 4.46**

4. MIN ALT: WOSIM 3000, ZUVEK 1800, JITMU/1.32 NM TO RW11R 800*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 251 HAT: 0.64 GS ANT:

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

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR **TCH:** 50.0

8. MSA FROM: RW11R 7800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 11R 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 SIBOC ON V459 SOUTHEAST BOUND.

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

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON. WAAS CHANNEL #78330 REFERENCE PATH ID: W11B CHART FAS OBST: 439 TREE 364727N/1194335W. CHART: 359 POLE 364703N/1194554W. 554 AAO 365039N/1194753W. HOLD E, LT, 292.46 INBOUND

LTP HAE: 68.8 M MINIMUMS:

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

ALTERNATE: NA **STANDARD**

CATEGORY:	Α Α		В		С			D			E				
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LPV DA	584	3/4	251	584	3/4	251	584	3/4	251	584	3/4	251			
LNAV/VNAV DA	620	7/8	287	620	7/8	287	620	7/8	287	620	7/8	287			
LNAV MDA	700	1	367	700	1	367	700	1	367	700	1	367			
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584		au/	LITL



AIRPORT AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
FRESNO YOSEMITE INTL KFAT RNAV (GPS) RWY 11R 3 FRESNO CA

CHANGES - REASONS

- 1. FEEDER FRAME MEA CHANGED FROM 2000 TO 3000. DUE TO RAISING INTERMEDIATE ALTITUDE REQUESTED BY FPT.
- 2. FEEDER RIWSO MEA CHANGED FROM 2000 TO 3000. DUE TO RAISING INTERMEDIATE ALTITUDE REQUESTED BY FPT.
- 3. REMOVED FEEDER TO ISESY AND IAF ISESY LOCATION MOVED. CZQ VORMON.
- 4. REMOVED IAF AT BEREN AND REPLACED WITH IAF FROM EBTUW. AIRWAY REDESIGN INVOLVING CZQ VORMON.
- 5. IAF BLEAR MEA CHANGED FROM 2000 TO 3000. RAISING INTERMEDIATE ALTITUDE REQUESTED BY FPT.
- 6. CHANGED INTERMEDIATE ALTITUDE FROM 2000 TO 3000. FPT REQUEST.
- 7. TCH CHANGED FROM 55FT TO 50FT. IMPROVED CALCULATED DESCENT GRADIENT BASED ON NEW EVALUATION SOFTWARE.
- 8. ADDED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL AT SIBOC ON V459 SOUTHEAST BOUND TURN AT SIBOC IN EXCESS OF 90 DEGREES.
- 9. LPV DA/HAT RAISED FROM 583/250 TO 584/251. 1 FT PENETRATION IN LPV MISSED CAUSES THE RAISE IN DA.

HAI

May 06, 2019

- 10. LNAV/VNAV DA/HAT RAISED FROM 583/250 TO 620/287. 100FT VEGETATION NOW USED PER FPT AND NEW TERRAIN STUDY.
- 11. JITMU SDF ALTITUDE CHANGED FROM 820 TO 800. IMPROVED CALCULATED DESCENT GRADIENT BASED ON NEW EVALUATION SOFTWARE.
- 12. 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.
- 13. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT BLEAR ON V230-585 WESBOUND" V585 DOES NOTEXIST AND REDESIGN OF V230 MEANS AIRCRAFT WILL ENTER PROCEDURE FROM ISESY IF ON V230 SOUTHWEST BOUND.

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

- 14. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT BEREN ON V23 NORTHWEST BOUND" BEREN IAF REMOVED FROM PROCEDURE.
- 15. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS ON FRA VORTAC AIRWAY RADIALS 202 CW 302 FRA FEEDER REMOVED FROM PROCEDURE.
- 16. INCREASED CA LEG ALTITUDE FROM 583FT TO 584FT LPV DA RAISED 1FT.
- 17. ZUVEK TO JITMU DISTANCE INCREASED FROM 3.06NM TO 3.14NM STEPDOWN FIX ALIGNED TO OPTIMUM GLIDESLOPE ANGLE.
- 18. JITMU TO RWY 11R DISTANCE DECREASED FROM 1.40NM TO 1.32 NM STEPDOWN FIX ALIGNED TO OPTIMUM GLIDESLOPE ANGLE.
- 19. LNAV/VNAV VISIBILITY INCREASED FROM 3/4SM TO 7/8SM INCREASE IN DA.

AOPA X

APA X

- 20. LTP LAT/LONG CHANGED FROM "364659.0195N/1194356.7140W" TO "364659.0215N1194356.7170W" NEW AIRPORT SURVEY SINCE PRIOR PROCEDURE AMENDMENT.
- 21. LTP ELLIPSOIDAL HEIGHT DECREASED FROM 689 TO 688 NEW AIRPORT SURVEY SINCE PRIOR PROCEDURE AMENDMENT.
- 22. CRC REMAINDER CHANGED FROM 1EF12ED9 TO 04414555 NEW ALPHANUMBERIC GENERATED SIAP VALUE DUE TO PROCEDURE REDESIGN.

NBAA X

COORDINATED WITH: A4A X ALPA X

FLIGHT CHECKED BY	Digitally signed by		<u>OFFICE</u>	<u>DATE</u>	
JORDAN ROLIH	CASIMIR L TABAKA		FICO	5/14/19	
001127111102111	May 17, 2019				
DEVELOPED BY		Digitally signed by	<u>OFFICE</u>	<u>DATE</u>	
ROBERT G HAMILTON (AU	STIN GOTCHER)	CASIMIR L TABAKA	AJV-5422	12/10/2018	
	Digitally signed by	May 06, 2019			
APPROVED BY	CASIMIR L TABAKA	, ,	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JULIE MORGAN	OAGIIIII E TABAIT	-	AJV-5420		MANAGER



AIRPORT AIRPORT D PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
FRESNO YOSEMITE INTL KFAT RNAV (GPS) RWY 11R 3 FRESNO CA

FAS DATA BLOCK INFORMATION

LTP/FTP LONGITUDE

DATA FIELD	<u>DATA</u>
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	364659.0215N

LTP/FTP ELLIPSOIDAL HEIGHT +00688

FPAP LATITUDE 364607.3900N

FPAP LONGITUDE 1194226.2600W

1194356.7170W

THRESHOLD CROSSING HEIGHT (TCH) 00050.0

TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00

COURSE WIDTH AT THRESHOLD 106.75

LENGTH OFFSET 0312

HORIZONTAL ALERT LIMIT (HAL) 40.0

VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER 04414555

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +01006
FPAP ORTHOMETRIC HEIGHT +01006