

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
FRESNO, CA	FRESNO YOSEMITE INTL		7

TAKEOFF MINIMUMS:

RWY 11L, 11R, 29L, 29R: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 11L, 11R: CLIMBING LEFT TURN HEADING 291, THENCE...
RWY 29L, 29R: CLIMB HEADING 291, THENCE...

...CONTINUE CLIMB VIA HEADING 291 AND FRA R-201.75 TO NIVEE INT / FRA 8.00 DME, CONTINUE CLIMB-IN-HOLD (HOLD S, RT, 021.75 INBOUND) TO CROSS NIVEE AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

TAKEOFF OBSTACLE NOTES:

- NOTE: RWY 11L,** ELECTRICAL EQUIPMENT 1222 FT FROM DER, 663 FT RIGHT OF CENTERLINE, 35 FT AGL/363 FT MSL. POLE 1626 FT FROM DER, 736 FT RIGHT OF CENTERLINE, 43 FT AGL/373 FT MSL. SIGN 1692 FT FROM DER, 864 FT RIGHT OF CENTERLINE, 53 FT AGL/383 FT MSL. POLE 647 FT FROM DER, 542 FT LEFT OF CENTERLINE, 19 FT AGL/349 FT MSL.
- NOTE: RWY 11R,** OBSTRUCTION LIGHT ON RVR EQUIPMENT 328 FT FROM DER, 279 FT LEFT OF CENTERLINE, 24 FT AGL/349 FT MSL. OBSTRUCTION LIGHT ON GLIDESLOPE 663 FT FROM DER, 274 FT LEFT OF CENTERLINE, 37 FT AGL/362 FT MSL. LIGHT POLE 1597 FT FROM DER, 294 FT RIGHT OF CENTERLINE, 25 FT AGL/386 FT MSL.
- NOTE: RWY 29L,** TREES BEGINNING 1287 FT FROM DER, 175 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/392 FT MSL. TREE 1907 FT FROM DER, 626 FT RIGHT OF CENTERLINE, 55 FT AGL/380 FT MSL.
- NOTE: RWY 29R,** POLE 1025 FT FROM DER, 559 FT RIGHT OF CENTERLINE, 32 FT AGL/364 FT MSL. TREES BEGINNING 1648 FT FROM DER, 844 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/392 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:
RWY 11L, 11R, 29L, 29R – 10812 FT MSL AAO 370827.70N/1190333.70W



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REMARKS:

VCOA NOT DEVELOPED PER ATC REQUEST DUE TO LOCAL AIR TRAFFIC.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

MARK D. ADAMS AJV-354 07/17/2012

APPROVED BY:

DEZ SILAGYI AJV-354

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZOA, ARPT MGR,

CHANGES:

1. CHANGED THE TERMINATION POINT FOR ALL DEPARTURES FROM CZQ VORTAC TO NIVEE INT.

REASONS:

1. PER CHECKLIST.



RADIO FIX AND HOLDING DATA RECORD

NAME: NIVEE STATE: CA COUNTRY: US

LATITUDE/LONGITUDE: 370000.93N/1194158.68W TYPE: INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	FRIANT	FRA	VORTAC	L	201.75	218.75	8.00	8.00		3300	17500
2	EL NIDO	HYP	VOR/DME	L	096.12	111.12		36.10		3300	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S	FRA	VORTAC	201.75	021.75	R	1	5000 10000	11 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	370406.00N/1193248.00W	2746	4E
1	310	AAO	370618.00N/1193112.00W	3229	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 29R (CAT II)	KFAT	FRESNO	CA (US)
1	ILS RWY 29R (CAT III)	KFAT	FRESNO	CA (US)
1	TEXTUAL DEPARTURE PROCEDURE	KFAT	FRESNO	CA (US)
1	ILS OR LOC/DME RWY 29R	KFAT	FRESNO	CA (US)

REMARKS:

FRIANT (FAC 1) USED TO ESTABLISH FIX COORDINATES
 PAT 1 EVALUATED AT 265K FOR MILITARY HOLDING.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 MRA FOR FAC 1 & 2 IS 3300 TO ACCOMMODATE AIRCRAFT USING KFAT DP AT MIN CLIMB GRADIENT. RECEPTION WILL BE NECESSARY AT MRA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXTUAL DEPARTURE PROCEDURE	1, 2	1	KFAT	FRESNO	CA (US)
EN ROUTE	V230	1				(US)
IAP	ILS OR LOC/DME RWY 29R	1	1	KFAT	FRESNO	CA (US)
IAP	ILS RWY 29R (CAT II)	1	1	KFAT	FRESNO	CA (US)
IAP	ILS RWY 29R (CAT III)	1	1	KFAT	FRESNO	CA (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 11/15/2012

REASON FOR REVISION:

ADDED HYP VOR/DME TO FACILITIES AND ADDED INTERSECTION TO FIX TYPE TO AVOID DME REQUIREMENT FOR KFAT DP.
 LOWERED FAC 1 MRA FROM 5000 TO 3300 TO ALLOW FOR IDENTIFICATION OF NIVEE AT 3300 FOR KFAT DP. THE KFAT DP REQUIRES A C -H TO MEA AT NIVEE.
 CHANGED HOLDING TIME FROM 1-1 1/2 TO 1 MINUTE.
 CHANGED MIN/MAX HOLDING TEMPLATES FROM 9/11 TO 11/13 RESPECTIVELY DUE TO ADDITION OF HYP VOR/DME CROSSING RADIAL FOR FIX IDENTIFICATION FOR PAT 1.
 CHANGED 265 KT HOLDING CONTROLLING OBSTACLE FROM 2392 FT AAO TO 2746 FT AAO.
 CHANGED 310 KT HOLDING CONTROLLING OBSTACLE FROM 2802 FT AOO TO 3229 FT AAO.

DEVELOPED BY: DATE: 06/20/2012 OFFICE: AJV-354 NAME: MARK ADAMS

APPROVED BY: DATE: OFFICE: AJV-354 NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: WST
 ARTCC: ZOA
 ATC FACILITY: FRESNO APP CON
 OTHER:

