

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TACAN STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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 YOSEMITE INTL	<u>AIRPORT ID</u> KFAT	<u>PROCEDURE NAME</u> TACAN RWY 29R	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> FRESNO	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 336	<u>TDZE</u> 29R 333 29L 331	<u>SUPERSEDED</u> VOR/DME OR TACAN RWY 29R	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 07/24/2014	<u>MAG VAR</u> 15E
<u>FACILITY</u> CZQ VORTAC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1990

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-20.

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FRA VORTAC		IXDEB/CZQ 19.10 DME					160.79	28.32	5500
IXDEB/CZQ 19.10 DME	IF/IAF	URFEZ/CZQ 13.10 DME					307.22	6.00 (CZQ R-127)	1800

MISSED APPROACH

MAP:

CZQ 8.71 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5500 ON HEADING 330.00 AND FRA VORTAC R-222 TO NIVEE INT/FRA 8.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5500.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 3000 DIRECT CZQ TACAN AND ON CZQ TACAN R-307 TO OXVEV/CZQ 7.00 DME AND HOLD.

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE IXDEB, LT, 307.22 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 307.22 FAF: URFEZ/CZQ 13.10 DME DIST FAF TO MAP: DIST FAF TO THLD: 4.39
4. MIN ALT: IXDEB/CZQ 19.10 DME 2000, URFEZ/CZQ 13.10 DME 1800, JULTI/CZQ 10.60 DME 980
8. MSA FROM: CZQ TACAN 120-300 1900, 300-120 7800

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: RWY 29R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FRA VORTAC ON V459 NORTHWEST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-29R CAT A/B VISIBILITY TO RVR 5500 AND CAT E VISIBILITY TO 1 1/4 MILE.




ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 URFEZ TO RW29R: 3.03/55.
 CHART IN PLANVIEW: OXVEV/CZQ 7.00 DME
 CHART VDP AT 9.82 DME
 DISTANCE VDP TO THLD 1.11 NM
 CHART FAS OBST: 505 TOWER 364530N/1194223W.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW OXVEV/CZQ 7.00 DME, RT, 126.84 INBOUND.
 HOLD SW, RT, 042.07 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT E 900-2 3/4

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
S-29R	760	4000	427	760	4000	427	760	4000	427	760	4000	427	760	4000	427
SIDESTEP 29L 	760	5500	429	760	5500	429	760	1 1/2	429	760	2	429	760	2	429
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584	1140	2 3/4	804

CHANGES - REASONS

1. CHANGED APPROACH NAME FROM VOR/DME OR TACAN RWY 29R TO TACAN RWY 29R - CZQ VORTAC: VOR PORTION DECOMMISSIONED.
2. CHANGED NOTE "FOR INOP ALSF, INCREASE S-29R CAT A/B VISIBILITY TO RVR 5500 AND CAT E VISIBILITY TO 1 1/4" TO "FOR INOPERATIVE ALS, INCREASE S-29R CAT A AND B VISIBILITY TO RVR 5500 AND CAT E VISIBILITY TO 1 1/4 SM" - PER 8260.19H PARA. 8-6-11O(3)(D).
3. CHANGED NOTE "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 29R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED" - PER 8260.19H PARA. 8-6-11K (3). 34:1 PENETRATIONS EXIST.
4. CHANGED PRIMARY MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 330 AND FRA VORTAC R-202 TO NIVEE INT/FRA 8.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" TO "CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 5500 ON HEADING 347 AND FRA VORTAC R-222 TO NIVEE INT/FRA 8.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5500" - MISSED HOLDING FIX NIVEE MOVED NW 2.82 NM DUE TO CZQ VOR DECOMMISSIONED AND V230 RELOCATION.
5. CHANGED ALL CZQ DEPICTIONS FROM VORTAC TO TACAN IN PLANVIEW - CZQ VOR DECOMMISSIONED.
6. INCREASED FEEDER FRA VORTAC TO IXDEB MEA FROM 5000 TO 5500 - NEW CONTROLLING OBSTACLE.
7. ADDED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL AT FRA VORTAC ON V459 NORTHWEST BOUND"- IAW FAAO 8260.3D, PARA 2-3-1A(1).
8. AMENDED SIDESTEP RWY 29L CATS A/B VISIBILITY FROM 1 SM TO RVR 5500 - IAW FAAO 8260.3D PARA 2-7-3I(5) AND PARA 3-1-2B.
9. AMENDED SIDESTEP RWY 29L CATS D/E VISIBILITY FROM 1 1/2 SM TO 2 SM - IAW FAAO 8260.3D PARA 2-7-3I(1)(B).

05/20/2019: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/21/2018
 UPDATED FROM FROM AIR FORCE TO CIVIL 8260-3.

08/26/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/20/19.
 1. MINIMUMS: ADDED 29L AFTER THE FINAL TYPE 'SIDESTEP' FOR THAT LINE OF MINIMUMS.

QUALITY
7
CHECKED

AIRPORT

FRESNO YOSEMITE INTL

AIRPORT ID

KFAT

PROCEDURE NAME

TACAN RWY 29R

ORIGINAL/AMENDMENT

3

CITY

FRESNO

STATE

CA

COORDINATED WITH:

~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☒ ~~HAI~~ ☐ ~~NBAA~~ ☒ OTHER: ZOA, KFAT APP CON, KFAT ATCT, AMGR,

Digitally signed by

FLIGHT CHECKED BY

THOMAS EDWARD MOLOKIE

ALLAN WILL

Aug 28, 2019

OFFICE

FIOG

DATE

04/15/2019

Digitally signed by

DEVELOPED BY

RALPH DUMAR

RALPH DUMAR

Aug 26, 2019

OFFICE

AJV-5422

DATE

12/21/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ALLAN WILL

Aug 28, 2019

OFFICE

AJV-5420

DATE

TITLE

MANAGER

QUALITY
7
CHECKED