

**FEDERAL AVIATION ADMINISTRATION  
 FLIGHT STANDARDS SERVICE  
 ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
 TITLE 14 CFR PART 97.29**

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><b>AIRPORT ID</b></u> KFAT	<u><b>PROCEDURE NAME</b></u> ILS Y OR LOC Y RWY 29R ILS Y RWY 29R (SA CAT I), ILS Y RWY 29R (CAT II), ILS Y RWY 29R (CAT III)	<u><b>ORIGINAL/AMENDMENT</b></u> 39A	<u><b>CITY</b></u> FRESNO	<u><b>STATE</b></u> CA	
<u><b>AIRPORT ELEVATION</b></u> 336	<u><b>TDZE</b></u> 29R 333 29L 331	<u><b>SUPERSEDED</b></u> ILS Y OR LOC Y RWY 29R ILS Y RWY 29R (SA CAT I), ILS Y RWY 29R (CAT II), ILS Y RWY 29R (CAT III)	<u><b>ORIGINAL/AMENDMENT</b></u> 39	<u><b>DATED</b></u> 10/10/2019	<u><b>MAG VAR</b></u> 13E
<u><b>FACILITY</b></u> I-FAT	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 24 MARCH 2022	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2020

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FRA VORTAC		ZEMUX/FRA 18.00 DME					155.12	18.00	4700
ZEMUX/FRA 18.00 DME		SANGO INT/I-FAT 12.62 DME					155.12	8.66 (FRA R-155)	3000
ALTTA INT/I-FAT 24.08 DME	IAF	SANGO INT/I-FAT 12.62 DME	NOPT				292.37	11.46 (I-FAT)	2800
SANGO INT/I-FAT 12.62 DME	IF/IAF	STORI/I-FAT 6.12 DME					292.37	6.50 (I-FAT)	1800

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: I-FAT 1.69 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 5500 ON HEADING 330 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 800 THEN CLIMBING LEFT TURN TO 5500 ON HEADING 265 AND PXN VORTAC R-061 TO BLEAR INT/PXN 29.54 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5500.



**AIRPORT ID**  
KFAT

**PROCEDURE NAME**  
ILS Y OR LOC Y RWY 29R  
ILS Y RWY 29R (SA CAT I),  
ILS Y RWY 29R (CAT II),  
ILS Y RWY 29R (CAT III)

**ORIGINAL/AMENDMENT**  
39A

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**PROFILE:**

- 1. **PT**            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD E SANGO, LT, 292.37 INBOUND, 2800 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
- 3. **FAC:** 292.37                            **FAF:** STORI/I-FAT 6.12 DME                            **DIST FAF TO MAP:**                            **DIST FAF TO THLD:** 4.43
- 4. **MIN ALT:** SANGO INT/I-FAT 12.62 DME 2800, STORI/I-FAT 6.12 DME 1800, WILAB/I-FAT 3.09 DME 820\*
- 5. **DIST TO THLD FROM OM:**                            **MM:**                            **IM:**                            **100 HAT:** 874                            **150 HAT:** 1828                            **GS ANT:** 1049
- 6. **MIN GS INCPT:** 1800                            **GS ALT AT PFAF:** STORI/I-FAT 6.12 DME 1800                            **OM:**                            **MM:**                            **IM:**
- 7. **GP ANGLE:** 3.00                            **34:1:**                            **20:1:**                            **TCH:** 55.2
- 8. **MSA FROM:** FRA VORTAC 140-300 4700, 300-140 12000

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED FOR LOC ONLY.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 29R: CAT A, B, C, D, RA 151, RVR 1400, HAT 150, DA 483 MSL.  
 CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 29R: CAT A, B, C, D, RA 101, RVR 1200, HAT 100, DA 433 MSL.  
 CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 29R: CAT A, B, C, D, RVR 600  
 SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.  
 CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FRA VORTAC ON V230 NORTHEAST BOUND.  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 29R CAT E VISIBILITY TO RVR 4000 AND S-LOC 29R CATS C, D, AND E VISIBILITY TO RVR 5500.  
 CHART NOTE: HOLD IN LIEU OF PT NA FOR CAT E AIRCRAFT.  
 CHART PLANVIEW NOTE: MAXIMUM HOLDING AIRSPEED AT SANGO 200 KIAS.

**ADDITIONAL FLIGHT DATA:**

HOLD SW, RT, 042.07 INBOUND.  
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE BLEAR INT/PXN 29.54 DME, LT, 241.42 INBOUND.  
 CHART FAS OBST: 442 POLE (06-173106) 364530N/1194040W, 432 TRANSMISSION\_LINE (06-043242) 364514N/1194047W.  
 CHART IN PLANVIEW: BLEAR INT/PXN 29.54 DME.  
 CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA  ILS: STANDARD; LOC: STANDARD - CAT E 900-2 3/4



CATEGORY:	A			B			C			D			E		
	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-ILS 29R	533	1800	200	533	1800	200	533	1800	200	533	1800	200	533	1800	200
S-LOC 29R	700	2400	367	700	2400	367	700	3500	367	700	3500	367	700	3500	367
SIDESTEP 29L	700	5500	369	700	5500	369	700	1 1/2	369	700	2	369	700	2	369
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584	1140	2 3/4	804

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ILS Y RWY 29R (SA CAT I),  
ILS Y RWY 29R (CAT II),  
ILS Y RWY 29R (CAT III)

**ORIGINAL/AMENDMENT**  
39A

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**CHANGES - REASONS**

1. TERMINAL ROUTES: ALL INSTANCES OF SANGO/I-FAT 12.62 DME ARE NOW SANGO INT/I-FAT 12.62 DME - FIX IS NOW AN INTERSECTION.
2. TERMINAL ROUTES ALL INSTANCES OF ALTTA/I-FAT 24.08 DME ARE NOW ALTTA INT/I-FAT 24.08 DME - FIX IS NOW AN INTERSECTION.
3. PROFILE LINE 3 FAC AND TERMINAL ROUTES: ALL INSTANCES OF COURSE 292.36 CHANGED TO 292.37 - ROUNDING AND CALCULATION CORRECTION.
4. CHANGED EQUIPMENT REQUIREMENTS NOTES FROM DME REQUIRED TO DME REQUIRED FOR LOC ONLY - PER FPT, 8260.19I 8-6-8C(3).
5. REMOVED \*LOC ONLY FROM NOTES AND \* FROM PROFILE LINE 4 - NO LONGER REQUIRED.
6. UPDATED CHART NOTE FROM FOR INOPERATIVE ALS, INCREASE S-ILS 29R CAT E VISIBILITY TO RVR 4000 AND S-LOC 29R CAT E VISIBILITY TO RVR 5500 TO FOR INOPERATIVE ALS, INCREASE S-ILS 29R CAT E VISIBILITY TO RVR 4000 AND S-LOC 29R CATS C, D, AND E VISIBILITY TO RVR 5500 - 8260.3E TABLE 3-3-1.
7. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM 442 POLE 364530N/1194040W, 432 TRANSMISSION\_LINE 364514N/1194047W.TO 442 POLE (06-173106) 364530N/1194040W, 432 TRANSMISSION\_LINE (06-043242) 364514N/1194047W - UPDATED TO NEW FORMAT.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZOA, FAT APCH CON, FAT ATCT, AMGR, CA AERO

**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**

Feb 15, 2022

**DEVELOPED BY**

JASON KRETSCHMER (RAYMOND JOHNSON)

*Digitally signed by*

**JASON KRETSCHMER**

Feb 15, 2022

**OFFICE** **DATE**

AJV-A421

11/05/2021

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**JASON KRETSCHMER**

Feb 15, 2022

**OFFICE** **DATE**

AJV-A420

**TITLE**  
MANAGER

