

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GLS 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>AIRPORT ID</u> KSFO	<u>PROCEDURE NAME</u> GLS RWY 28R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> SAN FRANCISCO	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 13	<u>TDZE</u> 13	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 14E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> GLS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> 12/02/2021	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ARCHI	IAF	ZILED		TF	FB	1.00	260.22	3.96	6000
ZILED		GIRRR		TF	FB	1.00	260.16	3.30	5000
GIRRR		DUMBA		TF	FB	1.00	260.10	3.30	4000
DUMBA	IAF	CEPIN		TF	FB	1.00	283.98	4.15	3000
EDDY	IAF	SIDBY		TF	FB	1.00	330.71	4.71	4000
SIDBY	IAF	CEPIN		TF	FB	1.00	331.28	5.28	3000
CEPIN	IF	AXMUL		TF	FB	1.00	283.94	4.55	1800
AXMUL	PFAF	RW28R	MAP	TF	FO	0.30	283.88	5.44	
RW28R	MAP	213 MSL		CA			283.88		
213 MSL		VIKYU		DF	FO	1.00			3200

MISSED APPROACH

MAP:

GLS: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 DIRECT VIKYU AND HOLD.

*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 350 FEET PER NM TO 1900; IF UNABLE TO MEET CLIMB GRADIENT, SEE RNAV (GPS) Z RWY 28R.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. PROFILE STARTS AT CEPIN

3. **FAC:** 283.88 **PFAF:** AXMUL **DIST PFAF TO MAP:** 5.44 **DIST FAF TO THLD:**

4. **MIN ALT:** CEPIN 3000, AXMUL 1800

5. **DIST TO THLD FROM PFAF:** 5.44 **MM:** **IM:** **150 HAT:** **200 HAT:** 0.46 **GS ANT:**

6. **MIN GS INCPT:** 1800 **GS ALT AT PFAF :** AXMUL 1800 **OM:** **MM:** **IM:**

7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 54.8

8. **MSA FROM:** RW28R 5000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. SIMULTANEOUS OPERATIONS REQUIRE USE OF VERTICAL GUIDANCE; MAINTAIN LAST ASSIGNED ALTITUDE UNTIL ESTABLISHED ON GLIDEPATH.
 CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
 CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 213 FEET.
 CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART SPEED ICON IN PLANVIEW AT EDDYY: MAX 240 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 7000 AT ARCHI.
 CHART MANDATORY 6000 AT EDDYY.
 HOLD E, RT, 283.67 INBOUND.
 GBAS CHANNEL # 20626
 REFERENCE PATH ID: G28A
 LTP HAE: -28.7 M

MINIMUMS:

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

ALTERNATE: NA

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
GLS DA*	213	1800	200	213	1800	200	213	1800	200	213	1800	200			

CHANGES - REASONS



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZOA, NORCAL APP CON, SFO ATCT, CITY & COUNTY OF SAN FRANCISCO

FLIGHT CHECKED BY
PENDING

Digitally signed by
JASON KRETSCHMER
Sep 28, 2021

OFFICE

DATE

DEVELOPED BY
RUSSELL ROSLEWSKI

Digitally signed by
RUSSELL ROSLEWSKI
Sep 02, 2021

OFFICE
AJV-A421

DATE
07/22/2021

APPROVED BY
MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Sep 28, 2021

OFFICE
AJV-A420

DATE

TITLE
MANAGER

