

**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 19L	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> SAN FRANCISCO	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 13	<u>TDZE</u> 11	<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SUPERSEDED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**

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-25

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UPEND	IAF	BERKS		TF	FB	1.00	193.98	11.61	5000
BERKS	IF	SHAKE		TF	FB	1.00	193.91	7.24	2800
SHAKE	PFAF	RW19L	MAP	TF	FO	0.30	193.86	8.59	
RW19L	MAP	500 MSL		CA			193.86		500
500 MSL		BAAIR		DF	FB	1.00			
BAAIR		KATFH		TF	FO	1.00	108.90	8.90	4000

**MISSED APPROACH**

**MAP:**

GLS: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 4000 DIRECT BAAIR AND 108.90 TRACK TO KATFH AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
47  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT BERKS

3. FAC:

193.86

PFAF: SHAKE

DIST PFAF TO MAP: 8.59

DIST PFAF TO THLD:

4. MIN ALT:   BERKS 5000, SHAKE 2800

5. DIST TO THLD FROM PFAF: 8.59

MM:

IM:

150 HAT:

282 HAT: 0.71

GS ANT:

6. MIN GS INCPT:   2800

GS ALT AT PFAF :   SHAKE 2800

OM:

MM:

IM:

7. GP ANGLE:   3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.0

8. MSA FROM:   RW19L 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 293 FEET.  
CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE GLS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 109.00 INBOUND.  
GBAS CHANNEL # 21448  
REFERENCE PATH ID: G19A  
LTP HAE: -29.4 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	HAT/HAA
GLS DA	293	4000	282	293	4000	282	293	4000	282	293	4000	282			

CHANGES - REASONS

10/27/21: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/28/21.  
- ALL OCCURRENCES OF FIX NAME YAVUT CHANGED FROM YAVUT TO BAAIR - ATC REQUEST DUE TO SIMILAR FIX NAMES IN VICINITY.



AIRPORT ID  
KSFO

PROCEDURE NAME  
GLS RWY 19L

ORIGINAL/AMENDMENT  
ORIG

CITY  
SAN FRANCISCO

STATE  
CA

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 01, 2021

OFFICE

AJV-A421

DATE

07/16/2021

APPROVED BY  
MARLON ROBINSON

*Digitally signed by*

**JASON KRETSCHMER**

Sep 28, 2021

OFFICE

AJV-A420

DATE

TITLE  
MANAGER