

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33

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> RNAV (GPS) Z RWY 19R	<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SUPERSEDED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> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 NOVEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
UPEND	IAF	HITOD		TF	FB	1.00	194.59	11.45	4000
HITOD	IF	ESUME	PFAF	TF	FB	1.00	193.91	7.93	2800
ESUME	PFAF	RW19R	MAP	TF	FO	0.30	193.86	8.18	
RW19R	MAP	600 MSL		CA			193.86		600
600 MSL		THHEO		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT THHEO AND HOLD.

\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 395 FEET PER NM TO 2100; IF UNABLE TO MEET CLIMB GRADIENT, SEE SEE RNAV (GPS) Y RWY 19R.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





AIRPORT ID  
KSFO

PROCEDURE NAME  
RNAV (GPS) Z RWY 19R

ORIGINAL/AMENDMENT  
ORIG

CITY  
SAN FRANCISCO

STATE  
CA

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOA, NORCAL APP, SFO ATCT, AMGR, CA AERO

*Digitally signed by*

FLIGHT CHECKED BY  
BRANDON C EASTIN

**ERIC N SUSKI**

Aug 15, 2023

OFFICE  
FPO

DATE  
08/09/2023

*Digitally signed by*

DEVELOPED BY  
FRANK JACKSON JR

**FRANK JACKSON**

Apr 14, 2023

OFFICE  
AJV-A431

DATE  
04/10/2023

APPROVED BY  
JOHNNIE BAKER

*Digitally signed by*

**ERIC N SUSKI**

Apr 19, 2023

OFFICE  
AJV-A430

DATE

TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFO
RUNWAY	RW19R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19D
LTP/FTP LATITUDE	373735.3325N
LTP/FTP LONGITUDE	1222214.1935W
LTP/FTP ELLIPSOIDAL HEIGHT	-00298
FPAP LATITUDE	373616.4260N
FPAP LONGITUDE	1222306.4990W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.15
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0416
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3224DBF6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00028
FPAP ORTHOMETRIC HEIGHT	+00028