

# KSFO - San Francisco - San Francisco Intl

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## Airport details

State	California
Country	United States of America
Region	K2
Elevation	13ft (4m)
Timezone	GMT -8
Coordinates	37.63287, -122.38917
Type	land
ICAO code	KSFO
IATA code	SFO
FAA code	SFO

## Runway info

### Runway 10L / 28R

length	3618m (11870ft)
bearing	113° / 293°
width	61m (200ft)
surface	asphalt
displacement threshold	0m (0ft) / 90m (295ft)
blast zone	250m (820ft) / 100m (328ft)

### Runway 10R / 28L

length	3465m (11368ft)
bearing	113° / 293°
width	61m (200ft)
surface	asphalt
displacement threshold	0m (0ft) / 90m (295ft)
blast zone	250m (820ft) / 100m (328ft)

### Runway 1R / 19

length	12802655m (42003461ft)
bearing	107° / 287°
width	61m (200ft)
surface	asphalt
displacement threshold	170m (558ft) / 0m (0ft)

### Runway 1L / 19

length	12802747m (42003763ft)
bearing	107° / 287°
width	61m (200ft)
surface	asphalt
displacement threshold	195m (640ft) / 0m (0ft)

## Communication

San Francisco Intl ATIS	115.800
San Francisco Intl AWOS 1	127.275
San Francisco Intl AWOS 1	127.275
San Francisco Intl ATIS	113.700
San Francisco Intl ATIS	115.800
San Francisco Intl ATIS	118.850
San Francisco Intl ATIS	118.850
San Francisco Intl ATIS	113.700
San Francisco Intl ATIS	115.800
San Francisco Intl ATIS	118.850
San Francisco Intl AWOS 1	127.275
San Francisco Intl ATIS	113.700
San Francisco Intl ATIS	115.800
San Francisco Intl ATIS	113.700
San Francisco Intl ATIS	118.850
San Francisco Intl AWOS 1	127.275
San Francisco Intl UNICOM	122.950
San Francisco Intl UNICOM	122.950
San Francisco Intl UNICOM	122.950
San Francisco Intl UNICOM	122.950
San Francisco Intl CLNC DEL	118.200
San Francisco Intl CLNC DEL	118.200
San Francisco Intl CLNC DEL	118.200
San Francisco Intl CLNC DEL	118.200
San Francisco Intl GND	128.650
San Francisco Intl GND	121.800
San Francisco Intl GND	121.800
San Francisco Intl GND	128.650
San Francisco Intl GND	121.800
San Francisco Intl GND	128.650
San Francisco Intl GND	121.800
San Francisco Intl GND	128.650
San Francisco Intl TWR	120.500
San Francisco Intl TWR	120.500
San Francisco Intl TWR	120.500
San Francisco Intl TWR	120.500
San Francisco Intl NORCAL APP	133.950
San Francisco Intl NORCAL APP	135.650
San Francisco Intl NORCAL APP	135.650
San Francisco Intl NORCAL APP	128.325
San Francisco Intl NORCAL APP	134.500
San Francisco Intl NORCAL APP	134.500
San Francisco Intl NORCAL APP	133.950
San Francisco Intl NORCAL APP	128.325
San Francisco Intl NORCAL APP	133.950
San Francisco Intl NORCAL APP	135.650
San Francisco Intl NORCAL APP	128.325

San Francisco Intl NORCAL APP	128.325
San Francisco Intl NORCAL APP	134.500
San Francisco Intl NORCAL APP	135.650
San Francisco Intl NORCAL APP	133.950
San Francisco Intl NORCAL APP	134.500
San Francisco Intl NORCAL DEP	135.100
San Francisco Intl NORCAL DEP	135.100
San Francisco Intl NORCAL DEP	120.900
San Francisco Intl NORCAL DEP	120.900
San Francisco Intl NORCAL DEP	120.900
San Francisco Intl NORCAL DEP	135.100
San Francisco Intl NORCAL DEP	120.900
San Francisco Intl NORCAL DEP	135.100

## Approach frequencies

ILS-cat-III	28R	111.7	18.00mi
ILS-cat-II	28L	109.55	18.00mi
ILS-cat-I	19L	108.9	18.00mi
3° GS	28R	111.7	18.00mi
3° GS	19L	108.9	18.00mi
2.8° GS	28L	109.55	18.00mi

## Nearby beacons

code	identifier	dist	bearing	frequency
SFO	SAN FRANCISCO VOR/DME	1	131.2°	115.80
OAK	OAKLAND VOR/DME	9.6	60.6°	116.80
SAU	SAUSALITO VOR/DME	14.7	329°	116.20
OSI	WOODSIDE VOR/DME	15.3	155.8°	113.90
NUQ	MOFFETT (MOUNTAIN VIEW) TACAN	19.8	121.1°	117.60
SJC	SAN JOSE VOR/DME	26.2	120.1°	114.10
CCR	CONCORD VOR/DME	29.6	39.8°	117
SGD	SCAGGS ISLAND (NAPA) VORTAC	32.8	1.6°	112.10
LV	REIGA (LIVERMORE) NDB	33.7	85.1°	374
PYE	POINT REYES VOR/DME	35.1	313°	113.70
SUU	TRAVIS (FAIRFIELD) TACAN	42.3	35.9°	116.60
STS	ROSA DME	56.2	334.2°	116.15
SAC	SACRAMENTO VORTAC	62.7	45.9°	115.20
SNS	SALINAS VORTAC	69.2	140.9°	117.30

## Departure and arrival routes

Transition altitude	18000ft
Transition level	18000ft

SID end points	distance	outbound direction
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RW01 (ALL)		
	NIITE3, TRUKN2	72.7 67°
	SSTIK5	142.1 148°
	GAPP7, SFO4	11.8 291°
RW10 (ALL)		
	GAPP7	11.8 291°
	MOLEN8	94.9 328°
RW10L		
	CIITY3	72.7 67°
	SAHEY4	96.1 132°
RW10R		
	CIITY3	72.7 67°
	SAHEY4	96.1 132°
RW19 (ALL)		
	CIITY3	72.7 67°
	SAHEY4	96.1 132°
	GAPP7	11.8 291°
	MOLEN8	94.9 328°
RW28 (ALL)		
	TRUKN2, SNTNA2, NIITE3	72.7 67°
	WESLA5	142.1 148°
	GNNRR2	228.8 256°
	SFO4, GAPP7	11.8 291°
	MOLEN8	94.9 328°

<b>STAR starting points</b>	<b>distance</b>	<b>inbound direction</b>
ALL		
	PIRAT2	31.9 52°
	BDEGA3	20.9 133°
	PYE3, STINS4	35.1 133°
	MOD9	68.0 270°
	RISTI1	40.7 272°
	SERFR4	106.0 327°
	BSR3	94.2 333°
RW19 (ALL)		
	STLER3	20.9 133°
	ALWYS2	67.9 270°
	WWAVS1	58.5 331°
RW28 (ALL)		
	DYAMD5	94.4 268°
	YOSEM3	172.3 268°

## Holding patterns

<b>STAR name</b>	<b>hold at</b>	<b>type</b>	<b>turn</b>	<b>heading*</b>	<b>altitude</b>	<b>leg</b>	<b>speed limit</b>
ALWYS2	ALWYS	VHF	left	67 (247)°		DME 10.0mi	ICAO rules
ALWYS2	HEFLY	VHF	left	89 (269)°		DME 10.0mi	ICAO rules

ALWYS2	INYOE	VHF	left	66 (246)°		DME 6.0mi	ICAO rules
BDEGA3	AMAKR	VHF	right	301 (121)°		DME 10.0mi	ICAO rules
BDEGA3	BGGLO	VHF	right	333 (153)°		DME 10.0mi	ICAO rules
BDEGA3	LOZIT	VHF	right	333 (153)°		DME 10.0mi	ICAO rules
BDEGA3	MLBEC	VHF	right	333 (153)°		DME 10.0mi	ICAO rules
BSR3	ANJEE	VHF	left	151 (331)°	< 17999ft	1.0min timed	ICAO rules
BSR3	BSR	NDB	left	141 (321)°	< 17999ft	1.0min timed	ICAO rules
BSR3	SKUNK	VHF	left	151 (331)°	< 17999ft	1.0min timed	ICAO rules
DYAMD5	ALWYS	VHF	left	67 (247)°		DME 10.0mi	ICAO rules
DYAMD5	FLOWZ	VHF	left	67 (247)°		DME 10.0mi	ICAO rules
DYAMD5	INYOE	VHF	left	66 (246)°		DME 6.0mi	ICAO rules
MOD9	CEDES	VHF	left	65 (245)°		1.0min timed	ICAO rules
MOD9	GROAN	VHF	left	107 (287)°		1.0min timed	ICAO rules
MOD9	INYOE	VHF	left	66 (246)°		DME 6.0mi	ICAO rules
MOD9	MOD	NDB	left	64 (244)°		1.0min timed	ICAO rules
PIRAT2	HUNTS	0		180 (0)°		DME timed	ICAO rules
PIRAT2	PASIF	VHF	left	239 (59)°		DME 10.0mi	ICAO rules
PIRAT2	PIRAT	VHF	left	239 (59)°		DME 10.0mi	ICAO rules
PIRAT2	SUPER	VHF	left	274 (94)°		DME 11.0mi	ICAO rules
PYE3	PYE	NDB	right	325 (145)°		1.0min timed	ICAO rules
PYE3	STINS	VHF	right	324 (144)°		1.0min timed	ICAO rules
SERFR4	EPICK	VHF	left	153 (333)°		DME 10.0mi	ICAO rules
SERFR4	NRRLI	VHF	left	134 (314)°		DME 10.0mi	ICAO rules
SERFR4	SERFR	VHF	left	134 (314)°		DME 10.0mi	ICAO rules
SERFR4	WWAVS	VHF	left	133 (313)°		DME 10.0mi	ICAO rules
STINS4	ENI	NDB	right	202 (22)°		1.0min timed	ICAO rules
STINS4	PYE	NDB	right	325 (145)°		1.0min timed	ICAO rules
STINS4	STINS	VHF	right	324 (144)°		1.0min timed	ICAO rules
STLER3	AMAKR	VHF	right	301 (121)°		DME 10.0mi	ICAO rules
STLER3	BGGLO	VHF	right	333 (153)°		DME 10.0mi	ICAO rules
STLER3	LOZIT	VHF	right	333 (153)°		DME 10.0mi	ICAO rules
STLER3	MLBEC	VHF	right	333 (153)°		DME 10.0mi	ICAO rules
WWAVS1	NRRLI	VHF	left	134 (314)°		DME 10.0mi	ICAO rules
WWAVS1	SERFR	VHF	left	134 (314)°		DME 10.0mi	ICAO rules
WWAVS1	WPOUT	VHF	left	126 (306)°		DME 10.0mi	ICAO rules
WWAVS1	WWAVS	VHF	left	133 (313)°		DME 10.0mi	ICAO rules

\*) magnetic outbound (inbound) holding course

## Disclaimer

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