

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW28L CLIMB TO 4000 DIRECT OLYMM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD E, LT, 278.21 INBOUND. FAS OBST: 203 TREE 373525N/1221919W CHART 317 MSL TOWER 373456N/1221506W DISTANCE TO THLD FROM 200 HAT: 0.49 NM. WAAS CHANNEL # 53415 REFERENCE PATH ID: W28B CHART CIRCLING ICON CHART MANDATORY 8000 AT ARCHI CHART MANDATORY 4000 AT MENLO LTP HAE: -28.8 M					
ARCHI (IAF)		PONKE (FB)		237.62 / 6.07				6000							
FAITH (IAF)		DIVEC (FB)		284.53 / 3.98				7000							
MENLO (IAF)		HEMAN (FB)		333.41 / 4.31				3100							
DIVEC		PONKE (FB)		284.07 / 3.30				6000							
PONKE		WETOR (FB)		284.03 / 3.31				5000							
WETOR		ROKME (FB)		283.99 / 3.31				4000							
ROKME		HEMAN (FB)		283.96 / 2.97				3100							
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT DIVEC 3. FAC: <u>283.88</u> FAF: <u>DUYET</u> DIST FAF TO MAP: <u>5.73</u> THLD: <u>5.73</u> 4. MIN. ALT: <u>DIVEC 7000, PONKE 6000, WETOR 5000, ROKME 4000, HEMAN 3100, DUYET 1800, NEPIC/3.36 NM TO RW28L 1080*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>DUYET 1800</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>2.85</u> TCH: <u>52.6</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW28L 5100</u>															
										MAG VAR: 14E			EPOCH YEAR: 2015		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA #	213	2400	200	213	2400	200	213	2400	200	213	2400	200			
LPV DA	769	2 1/2	756	769	2 1/2	756	769	2 1/2	756	769	2 1/2	756			
LNAV/VNAV DA	754	2 1/2	741	754	2 1/2	741	754	2 1/2	741	754	2 1/2	741			
LNAV MDA	1020	4000	1007	1020	5500	1007	1020	2 1/2	1007	1020	2 1/2	1007			
CIRCLING	1020	1 1/4	1007	1020	1 1/2	1007	1560	3	1547		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LNAV ONLY (CONTINUED ON PAGE 2)															
CITY AND STATE SAN FRANCISCO, CA			ELEVATION: 13 TDZE: 13 AIRPORT NAME: SAN FRANCISCO INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28L, AMDT 5A 21 JULY 2016				SUP: 4			
												AMDT: 5			
												DATED 03/05/2015			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
HEMAN (IF)	DUYET (FB)	283.92 / 4.30	1800
DUYET (FAF)	NEPIC/3.36 NM TO RW28L (FB)	283.88 / 2.37	
NEPIC/3.36 NM TO RW28L	RW28L (MAP) (FO)	283.88 / 3.36	
RW28L (MAP)	213 MSL	283.88	
213 MSL	OLYMM (FO)		4000

NOTES, (CONT.):

CHART NOTE: # MISSED APPROACH REQUIRES MINIMUM CLIMB OF 305 FEET PER NM TO 1600.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 3 MILE.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 CHART SPEED ICON IN PLANVIEW AT ARCHI: MAX 230 KIAS.
 CHART SPEED ICON IN PLANVIEW AT MENLO: MAX 230 KIAS.
 CHART NOTE: CIRCLING NA TO RWYS 10L, 10R, 19L, AND 19R.
 CHART NOTE: CIRCLING RWY 1L, 1R NA AT NIGHT.

CITY AND STATE
SAN FRANCISCO, CA

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 21 JULY 2016

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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFO
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	373643.5470N
LTP/FTP LONGITUDE	1222133.3530W
LTP/FTP ELLIPSOIDAL HEIGHT	-00288
FPAP LATITUDE	373734.6440N
FPAP LONGITUDE	1222335.1795W
THRESHOLD CROSSING HEIGHT (TCH)	00052.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.85
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 E3FF0672

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00038
FPAP ORTHOMETRIC HEIGHT	+00038

CITY AND STATE

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KSFO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ARCHI	010	ARCHI	IF	FB								AT 08000	AB 230	E A
ARCHI	020	PONKE	TF	FB	1.0	237.6						AA 06000		E
ARCHI	030	WETOR	TF	FB	1.0	284.0						AA 05000		E
ARCHI	040	ROKME	TF	FB	1.0	284.0						AA 04000		E
ARCHI	050	HEMAN	TF	FB	1.0	284.0						AA 03100		EE B
FAITH	010	FAITH	IF	FB										E A
FAITH	020	DIVEC	TF	FB	1.0	284.5						AA 07000		E
FAITH	030	PONKE	TF	FB	1.0	284.1						AA 06000		E
FAITH	040	WETOR	TF	FB	1.0	284.0						AA 05000		E
FAITH	050	ROKME	TF	FB	1.0	284.0						AA 04000		E
FAITH	060	HEMAN	TF	FB	1.0	284.0						AA 03100		EE B
MENLO	010	MENLO	IF	FB								AT 04000	AB 230	E A
MENLO	020	HEMAN	TF	FB	1.0	333.4						AA 03100		EE B
	010	HEMAN	IF	FB								AA 03100		E I
	020	DUYET	TF	FB	1.0	283.9				RW28L		AA 01800		E F
	021	NEPIC	TF	FB	0.3	283.9		2.85				AA 01080	GS 01082	E S
	030	RW28L	TF	FO	0.3	283.9		2.85				AT 00065		GY M
	040		CA	FB		283.9						AA 00213		M
	050	OLYMM	DF	FO								AA 04000		EY
	060	OLYMM	HM	FO		278.2			L			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ARCHI	N372926.87	W1215231.95
DIVEC	N372558.38	W1215606.03
DUYET	N373402.64	W1221510.54
FAITH	N372404.38	W1215142.84
HEMAN	N373201.86	W1221024.00
MENLO	N372749.27	W1220913.17
NEPIC	N373509.22	W1221748.78
OLYMM	N374257.70	W1224021.68
PONKE	N372731.74	W1215945.79
ROKME	N373038.13	W1220705.79
WETOR	N372904.99	W1220325.71

RUNWAYS

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RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28L	N373643.55	W1222133.35	00013	52.6

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