

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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</u> SAN FRANCISCO INTL	<u>AIRPORT ID</u> KSFO	<u>PROCEDURE NAME</u> RNAV (RNP) Y RWY 28R	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> SAN FRANCISCO	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 13	<u>TDZE</u> 13	<u>SUPERSEDED</u> RNAV (RNP) Y RWY 28R	<u>ORIGINAL/AMENDMENT</u> 4	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 14E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ARCHI	IAF	WIBNI		TF	FB	1.00	267.84	7.60	4900
WIBNI		GUTTS		TF	FB	1.00	272.81	6.21	3400
EDDY	IAF	SIDBY		TF	FB	1.00	330.71	4.71	4000
SIDBY	IAF	GUTTS		TF	FB	1.00	340.69	5.77	3400
GUTTS	IF	DONNG		TF	FB	1.00	283.85	5.15	1800
DONNG	PFAF	* JOSUF		RF	FB	0.30	(2.92 NM RADIUS CCW (CFFJZ))	1.68	
JOSUF		* FABLA		RF	FB	0.30	(2.83 NM RADIUS CW (CFFJX))	1.64	
FABLA		* RW28R	MAP	TF	FO	0.30	283.84	2.12	
RW28R	MAP	VIKYU		TF	FO	1.00	283.83	12.82	3000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 ON TRACK 283.83 TO VIKYU AND HOLD.
 %MISSED APPROACH REQUIRES MINIMUM CLIMB OF 250 FEET PER NM TO 1600.
 &MISSED APPROACH REQUIRES MINIMUM CLIMB OF 350 FEET PER NM TO 2100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. PROFILE STARTS AT GUTTS

3. **FAC:** * **FAF:** **DIST FAF TO MAP:** **DIST FAF TO THLD:**

4. **MIN ALT:** GUTTS 3400, DONNG 1800

5. **DIST TO THLD FROM OM:** 5.44 **MM:** **IM:** **150 HAT:** **250 HAT:** 0.61 **GS ANT:**

6. **MIN GP INCPT:** 1800 **GP ALT AT FAF :** DONNG 1800, JOSUF 1264, FABLA 743 **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 NOTES:

RNP AR APCH, RF REQUIRED.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C OR ABOVE 54C.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART SPEED ICON IN PLANVIEW AT EDDYY: MAX 240 KIAS.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 4000 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

ROUTE TYPE: A, H
 ROUTE TYPE QUALIFIER 1: F
 ROUTE TYPE QUALIFIER 2: S
 CHART MANDATORY 7000 AT ARCHI.
 CHART MANDATORY 6000 AT EDDYY.
 HOLD E, RT, 283.67 INBOUND

MINIMUMS:

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

ALTERNATE: NA STANDARD

CATEGORY:	A			B			C			D			E		
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS									
AUTHORIZATION REQUIRED															
RNP 0.11 DA%	263	2400	250	263	2400	250	263	2400	250	263	2400	250			
RNP 0.30 DA&	326	2400	313	326	2400	313	326	2400	313	326	2400	313			

CHANGES - REASONS

1. CHANGED MANDATORY ALTITUDE AT ARCHI FROM 8000 TO 7000. - ATC REQUEST.
2. DELETED MAXIMUM SPEED 230 ICON AT ARCHI. - ATC REQUEST.
3. DESIGNATED SIDBY AN IAF. - ATC REQUEST.
4. REMOVED DEGREES F FROM BARO-VNAV TEMPERATURE NOTE. - FAAO 8260.19H PARAGRAPH 8-8.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZOA, NORCAL APP CON, SFO ATCT, AMGR

Digitally signed by

FLIGHT CHECKED BY **DONALD H LANIER**

OFFICE

DATE

DANIEL C FAVORITE Aug 07, 2018

FICO

8/6/18

DEVELOPED BY *Digitally signed by*

OFFICE

DATE

LIAM DONAHUE **LIAM DONAHUE**
Jun 05, 2018

AJV-5431

05/15/2018

APPROVED BY *Digitally signed by*

OFFICE

DATE

TITLE

PATRICK MULQUEEN **DONALD H LANIER**
Aug 07, 2018

AJV-5430

MANAGER

