

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</u> SAN DIEGO INTL	<u>AIRPORT ID</u> KSAN	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 27	<u>ORIGINAL/AMENDMENT</u> 4A	<u>CITY</u> SAN DIEGO	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 17	<u>TDZE</u> 17	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 27	<u>ORIGINAL/AMENDMENT</u> 4	<u>DATED</u> 11/10/2016	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
LYNDI	IAF	VYDDA		TF	FB	1.00	239.77	3.00	4000
VYDDA	IF	OKAIN		TF	FB	1.00	275.14	2.00	3600
OKAIN		CIJHI		TF	FB	1.00	275.12	3.50	2700
CIJHI		REEBO		TF	FB	1.00	275.11	2.23	2000
REEBO	FAF	RW27	MAP	TF	FO	0.30	275.05	5.17	
RW27	MAP	417 MSL		CA			275.05		
417 MSL		SARGS		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LP: RW27
 LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT SARGS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT VYDDA

3. FAC: 275.05

FAF: REEBO

DIST FAF TO MAP: 5.17

DIST FAF TO THLD: 5.17

4. MIN ALT: VYDDA 4000, OKAIN 3600, CIJHI 2700, REEBO 2000

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS NOT CLEAR

TCH:

8. MSA FROM: RW27 5400

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.
CHART NOTE: STRAIGHT-IN RWY 27 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.
CHART NOTE: CIRCLING NA N OF RWY 9-27.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO 2 SM.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LP CATS A/B AND LNAV CAT A.
CHART SPEED ICON IN PLANVIEW AT LYNDI: MAX 210 KIAS

ADDITIONAL FLIGHT DATA:

CHART MINIMUM 5000 AT LYNDI.
CHART CIRCLING ICON.
REEBO TO RW27: 3.50/65
WAAS CHANNEL #82527
REFERENCE PATH ID: W27A
CHART FAS OBST: 420 AAO 324306N/1170552W, 501 BLDG 324304N/1170928W.
HOLD W, RT, 095.00 INBOUND
LTP HAE: -30.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1000-3

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
LP MDA	680	5000	663	680	5000	663	680	1 3/4	663	680	1 3/4	663			
LNAV MDA	760	5000	743	760	5500	743	760	1 7/8	743	760	1 7/8	743			
CIRCLING	820	1	803	820	1 1/4	803	820	2 1/2	803	940	3	923			



CHANGES - REASONS

1. CHANGED HELICOPTER VISIBILITY REDUCTION NOTE FROM "..RVR 4000..." TO "..RVR 5000..." - 20:1 PENETRATIONS EXIST.
2. REMOVED VDP AND ASSOCIATED DATA - 20:1 PENETRATIONS EXIST.
3. ADDED CHART NOTE: STRAIGHT-IN RWY 27 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD - 20:1 PENETRATIONS EXIST, SEE APPROVAL LETTER REQUEST TO MITIGATE USING VGSI.
4. REMOVED CHART NOTE: DME/DME RNP-0.3NA - CRITERIA CHANGE, NOTE IS NO LONGER APPLICABLE.
5. ADDED TO PROFILE LINE 7: 20:1: IS NOT CLEAR - 20:1 PENETRATIONS EXIST.
6. ADDED PBN REQUIREMENTS NOTE: RNP APCH - NEW CRITERIA REQUIREMENT FOR GPS PROCEDURES PER 8060.19H, 8-6-8B(1).
7. "CHART SPEED ICON IN PLANVIEW AT LYNDI: 210 KIAS" CHANGED TO "CHART SPEED ICON IN PLANVIEW AT LYNDI: MAX 210 KIAS." - IAW 8260.19H, PARA 4-6-10.G.

- 2/21/19: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/27/18.
1. ADDED 2 ADDITIONAL 20:1 OBSTACLES TO PENETRATIONS SECTION.
2. LP MDA VISIBILITY CAT A AND B INCREASED FROM 4000 TO 5000 - 20:1 PENETRATIONS EXIST.
3. LNAV CAT A VISIBILITY INCREASED FROM 4000 TO 5000 - 20:1 PENETRATIONS EXIST.
4. ADDED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LP CATS A/B AND LNAV CAT A - RECOMPUTED VISIBILITIES DUE TO 20:1 PENETRATIONS.
5. CHANGED INOP ALS NOTE FROM INCREASE LP CATS C AND D VISIBILITY TO 1 7/8 SM AND LNAV CATS C AND D VISIBILITY TO 2 SM, TO INCREASE LNAV CAT C/D VISIBILITY TO 2 SM - IAW INOP LIGHTING TABLE.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZLA, SOCAL TRACON, SAN ATCT, ST AERO, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

COLTON CROWDER

Digitally signed by

COLTON CROWDER

APPROVED BY

LONNIE EVERHART

Digitally signed by

MARK D ADAMS

Mar 12, 2019

OFFICE

Digitally signed by

MARK D ADAMS

Mar 12, 2019

DATE

OFFICE

AJV-A412

DATE

12/27/2018

OFFICE

A41

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSAN
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	324352.9445N
LTP/FTP LONGITUDE	1171050.2640W
LTP/FTP ELLIPSOIDAL HEIGHT	-00306
FPAP LATITUDE	324417.5400N
FPAP LONGITUDE	1171231.8000W
THRESHOLD CROSSING HEIGHT (TCH)	00065.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	85C0F374

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00045
FPAP ORTHOMETRIC HEIGHT	+00045

