

**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.

<b><u>AIRPORT</u></b> LOS BANOS MUNI	<b><u>AIRPORT ID</u></b> KLSN	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 32	<b><u>ORIGINAL/AMENDMENT</u></b> 1	<b><u>CITY</u></b> LOS BANOS	<b><u>STATE</u></b> CA
<b><u>AIRPORT ELEVATION</u></b> 121	<b><u>TDZE</u></b> 121	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 32	<b><u>ORIGINAL/AMENDMENT</u></b> ORIG-A	<b><u>DATED</u></b> 06/22/2017	<b><u>MAG VAR</u></b> 16E
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 28 FEBRUARY 2019	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 1980

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
PXN VORTAC	IAF	ILESE		TF	FB	1.00	003.26	7.61	3600
MENDO	IAF	ILESE		TF	FB	1.00	274.50	11.90	3600
ILESE	IF	LUMTY		TF	FB	1.00	317.33	8.30	2200
LUMTY		HEBTA		TF	FB	1.00	317.19	1.57	1800
HEBTA	FAF	GEZJO/1.60 NM TO RW32		TF	FB	0.30	317.31	3.55	
GEZJO/1.60 NM TO RW32		RW32	MAP	TF	FO	0.30	317.31	1.60	
RW32	MAP	520 MSL		CA			317.31		
520 MSL		COGIS		DF	FB	1.00			
COGIS		VOLTA		TF	FO	1.00	323.38	11.64	3000

**MISSED APPROACH**

**MAP:**

LNAV: RW32

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT COGIS AND ON TRACK 323.38 TO VOLTA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT ILESE

3. FAC:

317.31

FAF: HEBTA

DIST FAF TO MAP: 5.15

DIST FAF TO THLD: 5.15

4. MIN ALT: ILESE 3600, LUMTY 2200, HEBTA 1800, GEZJO/1.60 NM TO RW32 680

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 CLEAR

TCH:

8. MSA FROM: RW32 5200

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: VDP NA WHEN USING MERCED RGNL/MACREADY FIELD ALTIMETER SETTING.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PXN VORTAC AIRWAY RADIALS 296 CW 328.  
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MERCED RGNL/MACREADY FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND ALL VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
HEBTA TO RW32: 3.00/38.  
CHART VDP AT 1.13 NM TO RW32  
CHART FAS OBST: 258 TREE 370148N/1205133W.  
HOLD SE, RT, 329.44 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☒

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
LNAV MDA	520	1	399	520	1	399	520	1 1/8	399	520	1 1/8	399			
CIRCLING	640	1	519	640	1	519	640	1 1/2	519	880	2 1/2	759			



CHANGES - REASONS

1. CHANGED INTERMEDIATE SDF-FINAL FROM "LUMTY-HEBTA COURSE/DISTANCE 317.29/1.70" TO "LUMTY-HEBTA COURSE/DISTANCE 317.19/1.57". - FAF MOVED TO COINCIDE WITH PROC ANGLE.
2. CHANGED FINAL-SDF FROM "HEBTA-GEZJO/1.60 NM TO RWY 32 COURSE/DISTANCE 317.28/3.42" TO "HEBTA-GEZJO/1.60 NM TO RWY 32 COURSE/DISTANCE 317.31/3.55". - FAF MOVED TO COINCIDE WITH PROC ANGLE.
3. MINIMUM ALTITUDE AT LUMTY INCREASED FROM 2100 TO 2200. - NEW CONTROLLER.
4. CHANGED MISSED APPROACH DISTANCE COGIS-VOLTA FROM 11.68 NM TO 11.64 NM.
5. ADDED CHART NOTE "CHART VDP AT 1.13 NM TO RW32". - IAW 8260.19H PARA 8-6-10.N.(2).
6. ADDED CHART NOTE "VDP NA WHEN USING MERCED RGNL/MACREADY FIELD ALTIMETER SETTING". - VDP ESTABLISHED IAW 8260.19H PARA 8-6-9.E.(9).
7. REPLACED CHART NOTE "DME/DME RNP-0.3 NA" WITH "PBN REQUIREMENTS NOTE: RNP APCH". - CHANGED PER NAVSPEC REQUIREMENT IAW 8260.19H PARA 8-6-8.
8. REVISED CHART NOTE "RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED". - NO 20:1 SURFACE PENETRATIONS. 34:1 VISUAL SURFACE PENETRATIONS EXIST, IAW 8260.19H PARA 8-6-11.K.(3).
9. DELETED CHART NOTE "STRAIGHT-IN RWY 32 NA AT NIGHT". - NO 20:1 SURFACE PENETRATIONS.
10. LNAV CAT D VIS CHANGED FROM 1 1/4 SM TO 1 1/8 SM. - UPDATED IAW 8260.3D TBL 3-3-1.
11. CIRCLING CAT D MDA 680/HAA 559 CHANGED TO MDA 880/HAA 759 AND CAT D VIS FROM 2 SM TO 2 1/2 SM. - NEW CIRCLING RADII AND CONTROLLER INCREASES VIS IAW 8260.3D TBL 3-3-7.
12. CHARTED CIRCLING ICON. - CIRCLING MEETS CHANGE 21 CIRCLING CRITERIA.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZOA, NORCAL, AMGR, CA AERO

FLIGHT CHECKED BY

CHARLES D CUNNINGHAM

DEVELOPED BY

JASON KRETSCHMER

APPROVED BY

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Digitally signed by

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Jan 08, 2019

Digitally signed by

JASON KRETSCHMER

Nov 02, 2018

Digitally signed by

ROBERT G HAMILTON

Jan 08, 2019

OFFICE

FICO

OFFICE

AJV-5422

OFFICE

AJV-5420

DATE

12/20/2018

DATE

11/02/2018

DATE

TITLE

MANAGER

