

**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 ID</u> O27	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> OAKDALE	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 237	<u>TDZE</u> 237	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 15E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
MOD VOR/DME		WUMTA		TF	FO	1.00	058.69	15.28	2000
AWALI	IAF	WUMTA	NOPT	TF	FB	1.00	297.19	6.24	2000
WUMTA	IF/IAF	NOMAE		TF	FB	1.00	288.03	3.00	1800
NOMAE	FAF	RW28	MAP	TF	FO	0.30	276.51	4.74	
RW28	MAP	547 MSL		CA			276.51		
547 MSL		ZOSON		DF	FB	1.00			
ZOSON		LIN VOR/DME		TF	FO	1.00	328.19	18.11	7000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 7000 DIRECT ZOSON AND ON TRACK 328.19 TO LIN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



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
LPV DA	547	7/8	310	547	7/8	310	547	7/8	310		NA				
LNAV/VNAV DA	694	1 3/8	457	694	1 3/8	457	694	1 3/8	457		NA				
LNAV MDA	820	1	583	820	1	583	820	1 3/4	583		NA				
CIRCLING	820	1	583	820	1	583	920	2	683		NA				

CHANGES - REASONS

1. UPDATED EQUIPMENT REQUIREMENTS NOTE FROM DME/DME RNP-0.3 NA TO RNP APCH - GPS PER 8260.19 PARA 8-6-8.
2. UPDATED BACKUP ALTIMETER SETTING NOTE FROM "USE MODESTO ALTIMETER SETTING; WHEN NOT RECEIVED, USE STOCKTON ALTIMETER SETTING AND INCREASE LPV DA TO 567 FT AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 570 FT AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FT" TO "USE MODESTO ALTIMETER SETTING; WHEN NOT RECEIVED, USE STOCKTON ALTIMETER SETTING; INCREASE LPV DA TO 581 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 728 FEET; INCREASE ALL MDAS 40 FEET" PER 8260.19 PARA 8-6-9.
3. ADDED PROCEDURE NA NOTE AT MOD VOR/DME_ TURN EXCEEDS 90 DEGREES
4. RAISED LPV DA/MDA FROM 531/294 TO 547/310 DUE TO MISSED APPROACH OBSTACLE.
5. RAISED LNAV/VNAV DA/MDA FROM 534/297 TO 694/457, VIS FROM 1 TO 1 3/8 DUE TO A NEW FINAL OBSTACLE.
6. ADDED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
7. DELETED 7:1 OBSTACLE FROM 580 AAO 374334N/1204225W AND ADDED 570 AAO 374336N/1204249W PER 8260.19 PARA 8-6-10.
8. ADDED NOTE: "RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" DUE TO 34:1 PENETRATION AND 8260.19 PARA 8-6-11.
9. CHANGED 34:1 TO "IS NOT CLEAR" PER TARGETS BUILD.
10. CRC CHANGED FROM A4505D9D TO 12F96A26 DUE TO FPAP LAT/LONG CHANGED.
11. NEW CONTROLLING OBSTACLES: LNAV/VNAV: 368 TRANSMISSION LINE (06-235536) 374438.12N/1204637.81W (1A); LPV MA: 320 POLE (06-026161) 374506.86N/1204727.84W (2C); CIRCLING CAT B: 583 TRANSMISSION_LINE (06-235634) 374430.37N/1204815.21W (1B) PER TARGETS BUILD.

COORDINATED WITH:A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: NORCAL APP CON, AMGR**FLIGHT CHECKED BY**

THOMAS E MOLOKIE

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-1000) MEMO, DATED JUNE 4, 2020,
SUBJECT: FLIGHT INSPECTION OF NEW CONTROLLING OBSTACLES.**DEVELOPED BY**

STEVEN DOUGHERTY

APPROVED BY

JULIE MORGAN

OFFICE Digitally signed by **DATE**
FPO **BEV L BORDY**
Jul 21, 2021 09/30/2021

Digitally signed by

BEV L BORDY

OFFICE Jul 21, 2021 **DATE**
AJV-A411 05/21/2021

Digitally signed by

OFFICE **BEV L BORDY** **DATE**
AJV-A410 Jul 21, 2021

TITLE



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	O27
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	374517.3950N
LTP/FTP LONGITUDE	1204743.2920W
LTP/FTP ELLIPSOIDAL HEIGHT	+00408
FPAP LATITUDE	374549.9810N
FPAP LONGITUDE	1204927.8840W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1832
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	12F96A26

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00721
FPAP ORTHOMETRIC HEIGHT	+00721

