

**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 10	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> OAKDALE	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 237	<u>TDZE</u> 236	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<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> 7 OCTOBER 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		MOTER		TF	FO	1.00	331.91	10.63	2000
MOTER	IF/IAF	ZOSON		TF	FB	1.00	084.19	5.55	1700
ZOSON	FAF	RW10	MAP	TF	FO	0.30	096.39	4.51	
RW10	MAP	554 MSL		CA			096.39		
554 MSL		NOMAE		DF	FB	1.00			
NOMAE		AWALI		TF	FO	1.00	114.15	9.21	4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT NOMAE AND ON TRACK 114.15 TO AWALI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD W MOTER, RT, 084.19 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 096.39FAF: ZOSONDIST FAF TO MAP: 4.51DIST FAF TO THLD: 4.51

4. MIN ALT: MOTER 2000, ZOSON 1700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:318 HAT: 0.91GS ANT:

6. MIN GP INCPT: 1700GP ALT AT FAF : ZOSON 1700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW10 5100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOD VOR/DME ON V113 SOUTHBOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: USE MODESTO ALTIMETER SETTING; WHEN NOT RECEIVED, USE STOCKTON METRO ALTIMETER SETTING: INCREASE LPV DA TO 627 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 588 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND LNAV CAT C VISIBILITY 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART 471 TOWER 374751N/1205305W
CHART MODESTO CITYCOUNTY-HARRY SHAM FLD ASOS
HOLD NW, RT, 126.12 INBOUND.
FAS OBST: 400 AAO 374638N/1205013W.
WAAS CHANNEL # 42524
REFERENCE PATH ID: W10A
CHART CIRCLING ICON.
LTP HAE: 37 M

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	593	1	357	593	1	357	593	1	357		NA				
LNAV/VNAV DA	554	7/8	318	554	7/8	318	554	7/8	318		NA				
LNAV MDA	760	1	524	760	1	524	760	1 1/2	524		NA				
CIRCLING	760	1	523	820	1	583	920	2	683		NA				



CHANGES - REASONS

1. UPDATED TDZE FROM 237 TO 236 PER PENDING AIRNAV DATA CHART DATE 6/17/2021.
2. UPDATED EQUIPMENT REQUIREMENTS NOTE FROM DME/DME RNP-0.3 NA TO RNP APCH - GPS PER 8260.19 PARA 8-6-8.
3. UPDATED BACKUP ALTIMETER SETTING NOTE FROM "USE MODESTO ALTIMETER SETTING; WHEN NOT RECEIVED, USE STOCKTON ALTIMETER SETTING AND INCREASE ALL DA 36 FT AND ALL MDA 40 FT; INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/8 SM" TO "USE MODESTO ALTIMETER SETTING; WHEN NOT RECEIVED, USE STOCKTON ALTIMETER SETTING: INCREASE LPV DA TO 627 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 588 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND LNAV CAT C VISIBILITY 1/8 SM" PER 8260.19 PARA 8-6-9.
4. RAISED LPV DA/HAT FROM 531/294 TO 593/357 DUE TO A NEW MISSED APPROACH OBSTACLE.
5. CRC REMAINDER CHANGED FROM 28C38891 TO 20B1C9DA DUE TO FPAP LAT/LONG CHANGED.
6. ADDED PROCEDURE NA NOTE AT MOD VOR/DME - TURN EXCEEDS 90 DEGREES.
7. LNAV/VNAV DA CHANGED FROM 555 TO 554 DUE TO TDZE CHANGE.
8. LNAV HAT CHANGED FROM 523 TO 524 DUE TO TDZE CHANGE.
9. UPDATED DIST TO THLD FROM HAT IN PROFILE FROM 294 HAT/0.84 TO 318 HAT/0.91 PER 8260.19 PARA 8-6-7.
10. NEW CONTROLLING OBSTACLES: LPV: 329 TRANSMISSION_LINE (06-235500) 374537.92N/1204905.43W (1A), LNAV/VNAV: 343 TREE (06-235670) 374457.13N/1204827.38W (1A),

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** NORCAL APP CON, AMGR

FLIGHT CHECKED BY

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

Digitally signed by
OFFICE **BEV L BORDY** **DATE**
Jul 15, 2021
Digitally signed by
OFFICE **BEV L BORDY** **DATE**
AJV-A411 05/21/2021
Jul 15, 2021
Digitally signed by
OFFICE **BEV L BORDY** **DATE**
AJV-A410
Jul 15, 2021

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	O27
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	374528.2775N
LTP/FTP LONGITUDE	1204818.2090W
LTP/FTP ELLIPSOIDAL HEIGHT	+00370
FPAP LATITUDE	374455.6745N
FPAP LONGITUDE	1204633.6340W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
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	20B1C9DA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00683
FPAP ORTHOMETRIC HEIGHT	+00683

