

# 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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
MMH	RNAV (GPS) RWY 27	2	MAMMOTH LAKES	CA	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
7135	7097	RNAV (GPS) RWY 27	08/12/2021	15E	1995
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
RNAV			ROUTINE		

#### 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>
NIKOL		IYHAL		TF	FB	1.00	141.86	12.11	13000
WALLE		BIH VOR/DME		TF	FB	1.00	354.58	4.57	12000
IYHAL	IAF	JASAT		TF	FB	1.00	141.92	11.00	11300
BIH VOR/DME	IAF	JASAT		TF	FB	1.00	322.05	15.35	11300
JASAT	IF	OCARU		TF	FB	1.00	231.97	7.11	9500
OCARU		FEBAT		TF	FB	1.00	274.50	2.49	9500
FEBAT	FAF	RW27	MAP	TF	FO	0.30	274.05	7.51	
RW27	MAP	8100 MSL		CA			274.05		8100
8100 MSL		TEPRE		DF	FB	1.00			
TEPRE		HATAG		TF	FB	1.00	017.83	5.01	
HATAG		NIKOL		TF	FO	1.00	321.94	16.49	13000

#### MISSED APPROACH

##### MAP:

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW27

#### MISSED APPROACH INSTRUCTIONS:

CLIMB TO 8100 THEN CLIMBING RIGHT TURN TO 13000 DIRECT TEPRE AND ON TRACK 017.83 TO HATAG AND ON TRACK 321.94 TO NIKOL AND HOLD.  
 \*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 8400.

#### ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT JASAT														
3.	FAC:	274.05	FAF:	FEBAT	DIST FAF TO MAP:	7.51	DIST FAF TO THLD:	7.51							
4.	MIN ALT:	JASAT 11300, OCARU 9500, FEBAT 9500													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		509 HAT:	1.56	GS ANT:				
6.	MIN GP INCPT:	9500	GP ALT AT PFAF:	FEBAT 9500					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	45.0							
8.	MSA FROM:	RW27 15500													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.  
CHART NOTE: BARO-VNAV NA.  
CHART NOTE: CIRCLING NA SOUTH OF RWY 09-27.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIKOL ON V244 CW V230 AND ON T259 CW T298.  
CHART SPEED ICON IN PLANVIEW AT OCARU: MAX 230 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CANDA WP  
CHART INYOE WP  
HOLD E, RT, 252.44 INBOUND.  
CHART FAS OBST: 7650 TREE 373630N/1184912W.  
CHART VDP AT 3.59 NM TO RW27.  
WAAS CHANNEL # 69547  
REFERENCE PATH ID: W27A  
LTP HAE: 2127.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1200-4, CAT C 1500-5

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*	7606	1 3/8	509	7606	1 3/8	509	7606	1 3/8	509		NA				
LPV DA	7644	1 5/8	547	7696	1 3/4	599	7819	2	722		NA				
LNAV/VNAV DA	8085	4	988	8124	4	1027	8247	5	1150		NA				
LNAV MDA	8260	1 1/4	1163	8260	1 1/2	1163	8320	3	1223		NA				
CIRCLING	8260	1 1/4	1125	8260	1 1/2	1125	8540	3	1405		NA				



CHANGES - REASONS

1. TERMINAL ROUTES: FEEDER SEGMENT CHANGED FROM "NIKOL - EVERR" TO "NIKOL - IYHAL"AND DISTANCE CHANGED FROM "16.46 NM" TO "12.11" - PER ATC REQUEST REPLACED FIX EVERR WITH IYHAL.
2. TERMINAL ROUTES: IAF SEGMENT CHANGED FROM "EVERR - JASAT" TO "IYHAL - JASAT", DISTANCE CHANGED FROM "5.16" TO "11.00", AND ALTITUDE CHANGED FROM "11000" TO "11300" - PER ATC REQUEST.
3. TERMINAL ROUTES: CHANGED IAF SEGMENT BIH VOR/DME - JASAT DISTANCE FROM "16.84" TO "15.35" AND ALTITUDE CHANGED FROM "11000" TO "11300" - PER ATC REQUEST.
4. TERMINAL ROUTES: IF SEGMENT CHANGED FROM "JASAT - FEBAT" TO "JASAT - OCARU", COURSE CHANGED FROM "246.82" TO "231.97", DISTANCE CHANGED FROM "9.23" TO "7.11", AND ALTITUDE CHANGED FROM "9100" TO 9500" - ADDED INTERMEDIATE SDF PER ATC REQUEST.
5. TERMINAL ROUTES: ADDED IF SEGMENT "OCARU - FEBAT" AND ASSOCIATED DATA - PER ATC REQUEST.
6. MAP: ADDED LPV AND LNAV/VNAV - ESTABLISHED LPV AND LNAV/VNAV MINIMUMS.
7. MISSED APPROACH INSTRUCTIONS: CHANGED MISSED INSTRUCTIONS FROM "CLIMBING RIGHT TURN TO 13000 DIRECT TEPRE AND VIA TRACK 044.49 TO EVERR AND VIA TRACK 321.94 TO NIKOL AND HOLD" TO "CLIMB TO 8100 THEN CLIMBING RIGHT TURN TO 13000 DIRECT TEPRE AND ON TRACK 017.83 TO HATAG AND ON TRACK 321.94 TO NIKOL AND HOLD. \*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 8400" - MISSED APPROACH REDESIGNED PER ATC REQUEST.
8. PROFILE: LINE 3 FAC CHANGED FROM "259.08" TO "274.05" - PROCEDURE IS NOW STRAIGHT-IN ALIGNED TO THE RUNWAY.
9. PROFILE: LINE 3 DIST FAF TO MAP/THLD CHANGED FROM "6.28" TO "7.51" - FAF MOVED LOCATION.
10. PROFILE: LINE 4 MIN ALT CHANGED FROM "JASAT 11000, FEBAT 9100" TO "JASAT 11300, OCARU 9500, FEBAT 9500" - PER CRITERIA 8260.19J 8-6-7 (D).
11. PROFILE: LINE 5 ADDED "509 HAT: 1.56" - ESTABLISHED LPV AND LNAV/VNAV MINIMUMS.
12. PROFILE: LINE 6 ADDED "MIN GP INCPT: 9500", "GP ALT AT PFAF: FEBAT 9500" - ESTABLISHED LPV AND LNAV/VNAV MINIMUMS.
13. PROFILE: LINE 7 ADDED "GP ANGLE: 3.00", "20:1 IS CLEAR", AND "TCH: 45.0" - PER CRITERIA 8260.19J 8-6-7 (G) (1-3).
14. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" - PER CRITERIA 8260.19J 8-6-8 (D) (5) (A) (1).
15. NOTES: REMOVED CHART NOTE "DME/DME RNP-0.3 NA" - REPLACED BY PBN REQUIREMENTS NOTE.
16. NOTES: REMOVED CHART NOTE "CIRCLING NA AT NIGHT" - NO LONGER REQUIRED.
17. NOTES: REMOVED CHART NOTE "RADAR REQUIRED FOR ARRIVALS AT WALLE" - NOT REQUIRED FOR GPS PROCEDURES.
18. NOTES: ADDED CHART NOTE "BARO-VNAV NA" - PRECIPITOUS TERRAIN ADJUSTMENTS IN THE FINAL SEGMENT.
19. NOTES: ADDED NOTE "CHART SPEED ICON IN PLANVIEW AT OCURA: MAX 230 KIAS" - PER CRITERIA 8260.19J 4-6-10 (G).
20. NOTES: ADDED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT NIKOL ON V244 CW V230 AND ON T259 CW 7298" - PER CRITERIA 8260.19J 8-2-5 (E) (2).
21. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM "7906 TREE 373621N/1184926W" TO "7600 TREE 373630N/1184912W" - NEW OBSTACLE EVALUATION.
22. ADDITIONAL FLIGHT DATA: CHANGED VDP DISTANCE FROM "4.00 NM TO RW27" TO "3.59 NM TO RW27" - DISTANCE RECALCULATED WITH NEW FAF DISTANCE AND ALTITUDE.
23. ADDITIONAL FLIGHT DATA: ADDED "WAAS CHANNEL #69547", "REFERENCE PATH ID: W27A", AND "LTP HAE: 2127.6 M" - ADDED LPV LINE OF MINIMUM.
24. MINIMUMS: ALTERNATE MINIMUMS CHANGED FROM "CAT A, B 1300-2, CAT C 1300-3" TO "CAT A,B 1200-4, CAT C 1500-5" - NEW CIRCLING MDA DUE TO NEW OBSTACLE EVALUATION.
25. MINIMUMS: ADDED LPV, LPV (CG, CGTA), AND LNAV/VNAV LINE OF MINIMUMS - PER ATC REQUEST.
26. MINIMUMS: CHANGED LNAV MDA/HAT CAT A/B FROM "8380 MDA/1283 HAT" TO "8260 MDA/1163 HAT" AND CAT C FROM "8380 MDA/1283 HAT" TO "8320 MDA/1223 HAT" - NEW OBSTACLE EVALUATION.
27. MINIMUMS: CHANGED CIRCLING MDA/HAA CATS A/B FROM "8380 MDA/1245 HAA" TO "8260 MDA/1125 HAA" - NEW OBSTACLE EVALUATION.
28. FAS DATA BLOCK INFORMATION: ADDED DATA FIELD INFORMATION AND ASSOCIATED DATA - ADDED LPV LINE OF MINIMUM.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZOA, ARPT MGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

TRAVIS BRISTOW

OFFICE

AJV-A421

DATE

06/23/2025

APPROVED BY

CASEY HILL

OFFICE

AJV-A412

DATE

TITLE

MANAGER



AIRPORT ID  
MMH

PROCEDURE NAME  
RNAV (GPS) RWY 27

ORIGINAL/AMENDMENT  
2

CITY  
MAMMOTH LAKES

STATE  
CA

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMMH
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	373715.3290N
LTP/FTP LONGITUDE	1184938.3190W
LTP/FTP ELLIPSOIDAL HEIGHT	+21276
FPAP LATITUDE	373744.3010N
FPAP LONGITUDE	1185124.3935W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	BD50C8F0
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+21523
FPAP ORTHOMETRIC HEIGHT	+21523



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
MMH	RNAV (GPS) RWY 27	2	MAMMOTH LAKES	CA	7135	RNAV

**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM** NIKOL **TO** IYHAL

**RNP** 1.00 **DISTANCE** 12.11 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	374730.00N/1183800.00W	9206	215	8	4B	2000				AT1794	13000
TERRAIN	374730.00N/1183800.00W	9005 (9000)								AS1500	10500

**COMPUTATIONS**

**ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**FEEDER**

**FROM** WALLE **TO** BIH VOR/DME

**RNP** 1.00 **DISTANCE** 4.57 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	371736.00N/1182515.00W	6513	215	8	4B	2000				AT3487	12000
TERRAIN	371827.00N/1182524.00W	5551 (5600)								AS1500	7100

**COMPUTATIONS**

**ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



INITIAL

FROM

IYHAL

TO

JASAT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	11.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	374703.00N/1183742.00W	8931	215	8	4B	1000				PR350 AT1019	11300
TERRAIN	374203.00N/1183448.00W	8480 (8500)								AS1500	10000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

BIH VOR/DME

TO

JASAT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	15.35										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	373351.00N/1183221.00W	7474	215	8	4B	1000				PR320 AT2506	11300
TERRAIN	373409.00N/1183048.00W	6295 (6300)								AS1500	7800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

JASAT

TO

OCARU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.11										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	373445.00N/1183303.00W	8094	215	8	4B	500				PR320 DG586	9500
TERRAIN	373445.00N/1183303.00W	7893 (7900)								AS1500	9400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

OCARU

TO

FEBAT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	2.49										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	373233.00N/1184048.00W	8419	215	8	4B	500				PR320 SA-476 DG737	9500
TERRAIN	373615.00N/1183842.00W	7506 (7500)								AS1500	9000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

FEBAT

TO

RW27

<u>RNP</u> 0.30	<u>DISTANCE</u> 7.51	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 509	<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC			MA289	7606

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

FEBAT

TO

RW27

<div><div><u>RNP</u></div><div>0.30</div></div>	<div><div><u>DISTANCE</u></div><div>7.51</div></div>	<div><div><u>PAT</u></div></div>	<div><div><u>MAP</u></div><div>DA</div></div>	<div><div><u>HAT</u></div><div>547(A), 599(B), 722(C)</div></div>					<div><div><u>HMAS</u></div></div>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CAT A:							ASC			MA327	7644
CAT B:							ASC			MA379	7696
CAT C:							ASC			MA502	7819

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





FINAL: LNAV/VNAV

FROM

FEBAT

TO

RW27

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
0.03	7.51		DA			988(A), 1027(B), 1150(C)					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CAT A: TREE	373627.00N/1184918.00W	7755	250	10	4B		23.43:1			PR105 SA-33 MA126	8085
CAT B: TREE	373627.00N/1184918.00W	7755	250	10	4B		23.43:1			PR105 SA-33 MA165	8124
CAT C: TREE	373627.00N/1184918.00W	7755	250	10	4B		23.43:1			PR105 SA-33 MA288	8247

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

FEBAT

TO

RW27

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>				<u>HMAS</u>	
0.30	7.51		RW27			1163(AB), 1223(C)					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CAT A: TREE	373630.00N/1184912.00W	7650	250	10	4B	250				XL76 PR250 MA20	8260
CAT B: TREE	373630.00N/1184912.00W	7650	250	10	4B	250				XL76 PR250 MA20	8260
CAT C: TREE	373630.00N/1184912.00W	7650	250	10	4B	250				XL76 PR250 MA80	8320

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

NIKOL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30*-1.00										7263	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	373942.00N/1185242.00W	8116	250	10	4B		ASC	300	8400		13000
AAO	374730.00N/1183800.00W	9206	215	8	4B	1000				PR380	10600
TERRAIN	374730.00N/1183800.00W	9005 (9000)								AS1500	10500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PER ATC REQUEST.

MISSED APPROACH: LPV

FROM

DA

TO

NIKOL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											7283
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	373942.00N/1185242.00W	8116	250	10	4B		ASC				13000
AAO	374730.00N/1183800.00W	9206	215	8	4B	1000				PR380	10600
TERRAIN	374730.00N/1183800.00W	9005 (9000)								AS1500	10500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

NIKOL

<u>RNP</u> 0.03-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 7864				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	373545.00N/1184845.00W	8218	250	10	4B		ASC			SA-92	13000
AAO	374730.00N/1183800.00W	9206	215	8	4B	1000				PR380	10600
TERRAIN	374730.00N/1183800.00W	9005 (9000)								AS1500	10500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW27

TO

NIKOL

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 7834				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	373942.00N/1185242.00W	8116	250	10	4B		ASC				13000
AAO	374730.00N/1183800.00W	9206	215	8	4B	1000				PR380	10600
TERRAIN	374730.00N/1183800.00W	9005 (9000)								AS1500	10500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

MMH

PROCEDURE NAME

RNAV (GPS) RWY 27

AMDT NO.

2

CITY

MAMMOTH LAKES

STATE

CA

AIRPORT ELEVATION

7135

FACILITY

RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	373736.00N/1184936.00W	1.45	1125	7509	250	10	4B	300		SI	8260
CATEGORY B											
TREE	373927.00N/1185215.00W	2.09	1125	7929	250	10	4B	300		SI	8260
CATEGORY C											
TREE	373945.00N/1185245.00W	3.35	1405	8224	250	10	4B	300			8540

CIRCLING REMARKS:

MSA

CENTER

RW27

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	373803.00N/1181521.00W	073	27.3	14449	215	8	4B	1000			15500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT: 100 FT USED PER FPT.

CANDA AND INYOE FIXES NOT USED ON APPROACH. CHARTED PER ATC REQUEST.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZOA ARTCC, RAL FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	MMH	24	MMH		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

NO SUITABLE BACK-UP ALTIMETER SOURCE AVAILABLE.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW09 - MIRL (PCL)	NPI-G	
RW27 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	7061.4	45.0			3.00	45.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BARO-VNAV NA - PRECIPITOUS TERRAIN ADJUSTMENTS IN THE FINAL SEGMENT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	4.52
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	289.05
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	7500
DISTANCE FROM	THLD	TO 1500FT POINT	6.51
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	289.05
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	7500

THRESHOLD COORDINATES (IF STR-IN)	373715.33N/1184938.32W
ARP COORDINATES	373726.60N/1185019.50W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 27 DISTANCE 0.58 NM
FAF COORDINATES	373448.33N/1184041.96W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
TRAVIS BRISTOW	AJV-A421	06/23/2025	AERONAUTICAL INFORMATION SPECIALIST

