

**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>		
OAK	RNAV (GPS) Y RWY 30	6	OAKLAND	CA		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
9	9	RNAV (GPS) Y RWY 30	5D	12/07/2017	14E	2015
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		12 JUNE 2025	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>
MYSHN	IAF	MYCAF		TF	FB	1.00	264.42	6.01	5000
MYCAF		FRNNY		TF	FB	1.00	264.35	4.82	4400
FRNNY		WUVON		TF	FB	1.00	296.11	5.11	2700
FFIST	IAF	PRFCT		TF	FB	1.00	251.21	6.28	6000
PRFCT		PARBB		TF	FB	1.00	256.47	6.05	4500
PARBB		ZOLUM		TF	FB	1.00	254.16	3.54	3500
ZOLUM		WUVON		TF	FB	1.00	264.04	3.00	2700
WUVON	IF	MITOE		TF	FB	1.00	296.09	2.21	2000
MITOE	FAF	RW30	MAP	TF	FO	0.30	296.07	6.08	
RW30	MAP	209 MSL		CA			296.07		
209 MSL		PLAZA		DF	FB	1.00			
PLAZA		SAU VOR/DME		TF	FO	1.00	282.06	9.78	4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT PLAZA AND ON TRACK 282.06 TO SAU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
37
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT WUVON														
3.	FAC:	296.07	FAF:	MITOE	DIST FAF TO MAP:	6.08	DIST FAF TO THLD:	6.08							
4.	MIN ALT:	WUVON 2700, MITOE 2000													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.45	GS ANT:				
6.	MIN GP INCPT:	2000	GP ALT AT PFAF:	MITOE 2000					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	55.0							
8.	MSA FROM:	RW30 5100													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CATS A/B/C VISIBILITY TO RVR 4000, CAT D VISIBILITY TO RVR 4500, AND LNAV CATS C/D VISIBILITY TO 1 3/8 SM.
CHART SPEED ICON IN PLANVIEW AT FFIST: MAX 200 KIAS.
CHART SPEED ICON IN PLANVIEW AT WUVON: MAX 200 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
HOLD NE, RT, 217.21 INBOUND.
CHART FAS OBST: 238 POLE (06-306363) 373758N/1220751W.
CHART VDP AT 1.32 NM TO RW30.
WAAS CHANNEL # 93535
REFERENCE PATH ID: W30A
CHART AT OR ABOVE 6200 AT MYSHN.
CHART AT OR BELOW 9000 AND AT OR ABOVE 7000 AT FFIST.
CHART MANDATORY 4500 AT PARBB.
LTP HAE: -29.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1400-3

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
LPV DA	209	1800	200	209	1800	200	209	1800	200	209	1800	200			
LNAV/VNAV DA	259	2400	250	259	2400	250	265	2400	256	283	2400	274			
LNAV MDA	500	2400	491	500	2400	491	500	5000	491	500	5000	491			
CIRCLING	560	1	551	560	1	551	660	1 3/4	651	1400	3	1391			



CHANGES - REASONS

1. TERMINAL ROUTES: ADDED IAF MYSHN TO MYCAF TO FRNNY, ADDED IAF FFIST TO PRFCT TO PARBB; IAFS FRNNY AND PARBB CHANGED TO IAF STEPDOWNS.- UPDATED IAF ROUTES PER FPT.
2. PROFILE LINE 5: ADDED 200 HAT 0.45.- MOVED FROM ADDITIONAL FLIGHT DATA.
3. PROFILE LINE 7: ADDED 20:1 IS CLEAR.- 8260.16J 8-6-8.G.
4. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F) CHANGED TO BELOW 2C OR ABOVE 54C.- UPDATED EVALUATION AND FORMAT.
5. CHANGED CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CAT C/D VISIBILITY TO 1 5/8 SM TO FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CATS A/B/C VISIBILITY TO RVR 4000, CAT D VISIBILITY TO RVR 4500, AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.- UPDATED EVALUATION.
6. ADDED: CHART SPEED ICON IN PLANVIEW AT FFIST: MAX 210 KIAS, CHART SPEED ICON IN PLANVIEW AT WUVON: MAX 200 KIAS.- TO ALIGN WITH CONNECTING ARRIVALS PER FPT.
7. ADDED CHART AT OR ABOVE 6200 AT MYSHN; ADDED CHART AT OR BELOW 9000 AND AT OR ABOVE 7000 AT FFIST.- MATCH ASSOCIATED STARS.
8. CHART VDP AT 1.56 NM TO RW30*: REMOVED ASTERISK AND CHANGED TO 1.32 NM.- UPDATED EVALUATION, 8260.19J.
9. REMOVED *LNAV ONLY.- 8260.19J.
10. REMOVED CHART MINIMUM 4100 AT FRNNY.- UPDATED IAF ROUTES PER FPT.
11. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH-GPS.- 8260.19J.
12. MINIMA: LNAV/VNAV CATS A/B/C DA/HAT 283/274 CHANGED TO CATS A/B 259/250, CAT C 265/256; LNAV MDA/HAT ALL CATS CHANGED FROM 580/571 TO 500/491 AND VISIBILITY CATS C/D CHANGED FROM 1 1/4 TO 5000; CIRCLING MDA/HAA CATS A/B CHANGED FROM 580/571 TO 560/551.- UPDATED EVALUATION.
13. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM 7693F85B TO D5A19BF1; LTP/FTP LAT/LONG CHANGED FROM 374206.0985N/1221252.4145W TO 374206.0995N/1221252.4155W; FPAP LAT/LONG CHANGED FROM 374312.2235N/1221431.6115W TO 374312.2255N/1221431.6150W.- UPDATED DATA, EVALUATION.
14. REMOVED PLANVIEW NOTE: RADAR REQUIRED.- 8260.19J 8-6-8.D(2)(B).

01/23/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/16/24.

1. CHANGED NOTE 'CHART SPEED ICON IN PLANVIEW AT FFIST: MAX 210 KIAS' TO 'CHART SPEED ICON IN PLANVIEW AT FFIST: MAX 200 KIAS' - REQUESTED BY ATC/FPT.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZOA, AMGR, OAK ATCT, NORCAL APP CON

FLIGHT CHECKED BY WENDI S GIMA	Digitally signed by DAVID DANNER Apr 24, 2025	OFFICE AJF	DATE 04/22/2025	
DEVELOPED BY TIA FERONTI	Digitally signed by TIA L FERONTI Jan 23, 2025	OFFICE AJV-A421	DATE 10/16/2024	
APPROVED BY DAVID DANNER	Digitally signed by DAVID DANNER Apr 24, 2025	OFFICE AJV-A421	DATE	TITLE MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOAK
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	374206.0995N
LTP/FTP LONGITUDE	1221252.4155W
LTP/FTP ELLIPSOIDAL HEIGHT	-00298
FPAP LATITUDE	374312.2255N
FPAP LONGITUDE	1221431.6150W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D5A19BF1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00027
FPAP ORTHOMETRIC HEIGHT	+00027

