

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 4000 DIRECT PLAZA AND ON TRACK 282.06 TO SAU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 217.21 INBOUND. CHART FAS OBST: 229 TOWER 373904N/1220903W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.56 NM TO RW30* *LNAV ONLY. WAAS CHANNEL # 93535 REFERENCE PATH ID: W30A CHART CIRCLING ICON CHART MINIMUM 4100 AT FRNNY. CHART MANDATORY 4500 AT PARBB. LTP HAE: -29.8 M					
FRNNY (IAF)		WUVON (TF) (FB) (RNP 1.00)		296.11 / 5.11				2700							
PARBB (IAF)		ZOLUM (TF) (FB) (RNP 1.00)		254.16 / 3.54				3400							
ZOLUM		WUVON (TF) (FB) (RNP 1.00)		264.04 / 3.00				2700							
WUVON (IF)		MITOE (TF) (FB) (RNP 1.00)		296.09 / 2.21				2000							
MITOE (FAF)		RW30 (MAP) (TF) (FO) (RNP 0.30)		296.07 / 6.08											
(SEE FORM 8260-10)															
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 THLD: 6.08 4. MIN. ALT: WUVON 2700, MITOE 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: MITOE 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW30 5100															
										MAG VAR: 14E EPOCH YEAR: 2015					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	209	2400	200	209	2400	200	209	2400	200	209	2400	200			
LNAV/VNAV DA	283	2400	274	283	2400	274	283	2400	274	283	2400	274			
LNAV MDA	580	2400	571	580	2400	571	580	1 1/4	571	580	1 1/4	571			
CIRCLING	580	1	571	580	1	571	660	1 3/4	651	1400	3	1391			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F). @ CAT D 1400-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 9 TDZE: 9				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
OAKLAND, CA		AIRPORT NAME:				RNAV		RNAV (GPS) Y RWY 30, AMDT 5B				AMDT: 5A			
		METROPOLITAN OAKLAND INTL						8 DECEMBER 2016				DATED 09/15/2016			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW30 (MAP)	209 MSL	296.07	
209 MSL	PLAZA (DF) (FB) (RNP 1.00)		
PLAZA	SAU VOR/DME (TF) (FO) (RNP 1.00)	282.06 / 9.78	4000

NOTES, (CONT.):

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.

QUALITY
25
CHECKED

CITY AND STATE

OAKLAND, CA

ELEVATION: 9

TDZE: 9

AIRPORT NAME:

METROPOLITAN OAKLAND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 30, AMDT 5B

8 DECEMBER 2016

SUP:

AMDT: **5A**

DATED: **09/15/2016**

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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	374206.0985N
LTP/FTP LONGITUDE	1221252.4145W
LTP/FTP ELLIPSOIDAL HEIGHT	-00298
FPAP LATITUDE	374312.2235N
FPAP LONGITUDE	1221431.6115W
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
 <u>CRC REMAINDER</u>	 7693F85B

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
25
CHECKED

CITY AND STATE OAKLAND, CA	ELEVATION: 9 AIRPORT NAME: METROPOLITAN OAKLAND INTL	TDZE: 9 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 30, AMDT 5B 8 DECEMBER 2016	SUP:
				AMDT: 5A
				DATED: 09/15/2016