

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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: RW12 CLIMB DIRECT HISIS TO CROSS HISIS AT OR BELOW 1600, THEN CLIMB TO 5400 ON TRACK 111.26 TO DECOT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5400. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 295.73 INBOUND. CHART FAS OBST: 143 TOWER 374334N/1221348W DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 0.96 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL # 86418 REFERENCE PATH ID: W12A CHART MANDATORY 1800 AT PLAZA. CHART MAXIMUM 1600 AT HISIS. CHART CIRCLING ICON. LTP HAE: -29.9 M									
RAIDR (IAF)			ALCAT (FB)			138.35 / 12.40			2700												
ALCAT (IF)			PLAZA (FB)			115.87 / 6.10			1800												
PLAZA (FAF)			ILATE/3.50 NM TO RW12 (FB)			115.93 / 2.45															
ILATE/3.50 NM TO RW12			RW12 (MAP) (FO)			115.93 / 3.50															
RW12 (MAP)			209 MSL			115.93			1600												
209 MSL			HISIS (FB)						5400												
HISIS			DECOT (FO)			111.26 / 8.39															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ALCAT 3. FAC: 115.93 FAF: PLAZA DIST FAF TO MAP: 5.95 THLD: 5.95 4. MIN. ALT: ALCAT 2700, PLAZA 1800, ILATE/3.50 NM TO RW12 1080* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: PLAZA 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 2.75 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW12 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	304	2700	295	304	2700	295	304	2700	295	304	2700	295									
LNAV MDA	360	2400	351	360	2400	351	360	3000	351	360	3000	351									
CIRCLING	560	1	551	560	1	551	660	1 3/4	651	1380	3	1371									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) 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.																					
CITY AND STATE				ELEVATION: 9 TDZE: 9				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
OAKLAND, CA				AIRPORT NAME:								RNAV (GPS) Y RWY 12, AMDT 3				AMDT: 2A					
				METROPOLITAN OAKLAND INTL								18 SEPTEMBER 2014				DATED 02/06/2014					



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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOAK
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	374312.2235N
LTP/FTP LONGITUDE	1221431.6115W
LTP/FTP ELLIPSOIDAL HEIGHT	-00299
FPAP LATITUDE	374205.3675N
FPAP LONGITUDE	1221251.3185W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.75
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>	 15178A72

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00026
FPAP ORTHOMETRIC HEIGHT	+00026

QUALITY
9
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 12, AMDT 3 18 SEPTEMBER 2014	SUP:
				AMDT: 2A
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<p align="center">U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</p> <p align="center"><u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u></p> <p align="center">FLIGHT STANDARDS SERVICES - FAR PART 97.33</p>	<p>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.</p>
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	AIRPORT NAME:			RNAV (GPS) Y RWY 12, AMDT 3	AMDT: 2A
	METROPOLITAN OAKLAND INTL		RNAV	18 SEPTEMBER 2014	DATED: 02/06/2014

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RAIDR	RAIDR	010	IAF	IF		FB					
	RAIDR	ALCAT	020		TF		FB	1.0	138.4 (152.4T)	012.4	AA 02700	
		ALCAT	010	FACF	IF		FB				AA 02700	
		PLAZA	020	FAF	TF		FB	0.5	115.9 (129.9T)	006.1	AT 01800	
		ILATE	021	SDF	TF		FB	0.3	115.9 (129.9T)	002.5	AA 01080	GS 01085
		RW12	030	MAP	TF		FO	0.3	115.9 (129.9T)	003.5	AT 00064	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		115.9 (129.9T)		AA 00209	
		HISIS	050		DF		FB				AB 01600	
		DECOT	060		TF		FO	1.0	111.3 (125.3T)		AA 05400	
		DECOT	070		HM	L	FO		295.7 (309.7T)	005.0	AA 05400	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		ALCAT	N375056.79		W1222610.93		N3750.947		W12226.182			
		DECOT	N373621.73		W1220255.49		N3736.362		W12202.925			
		HISIS	N374113.05		W1221132.89		N3741.218		W12211.548			
		ILATE	N374527.29		W1221754.50		N3745.455		W12217.908			
		PLAZA	N374701.74		W1222016.59		N3747.029		W12220.277			
		RAIDR	N380157.00		W1223327.00		N3801.950		W12233.450			
		RW12	N374312.22		W1221431.61		N3743.204		W12214.527			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW12	00009		55							



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