

RNAV (RNP) - 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		RNP: DA CLIMB TO 3000 ON TRACK 278.17 TO OPLIE AND ON TRACK 347.99 TO REBAS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 343.64 INBOUND. DISTANCE TO THLD FROM 332 HAT: 0.87 NM. ROUTE TYPE QUALIFIER1: F CHART MANDATORY 5300 AT CYMBL. ROUTE TYPE: A, H CHART MANDATORY 5000 AT BBUBB. ROUTE TYPE QUALIFIER2: S #TCH 63.2 MSL (DO NOT CHART)						
BBUBB (IAF)		JUPAP (TF) (FB) (RNP 1.00)			237.75 / 5.80			3700								
CYMBL (IAF)		JUPAP (TF) (FB) (RNP 1.00)			294.38 / 6.71			3700								
JUPAP (IF)		HEDER (TF) (FB) (RNP 0.90)			278.32 / 4.37			2800								
HEDER		VODSY (TF) (FB) (RNP 0.60)			278.27 / 2.83			1900								
VODSY (FAF)		RW28L (MAP) (TF) (FO)			278.24 / 5.77											
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JUPAP 3. FAC: 278.24 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: JUPAP 3700, HEDER 2800, VODSY 1900 5. DIST TO THLD FROM OM: 5.77 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: VODSY 1900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0# 34:1 IS CLEAR 8. MSA FROM: RW28L 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	
AUTHORIZATION REQUIRED																
RNP 0.15 DA	341	5300	332	341	5300	332	341	5300	332	341	5300	332				
RNP 0.30 DA	399	1 1/4	390	399	1 1/4	390	399	1 1/4	390	399	1 1/4	390				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 0C (32F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT BBUBB AND CYMBL: (RNP 0.60). CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.																
CITY AND STATE OAKLAND, CA		ELEVATION: 9 TDZE: 9 AIRPORT NAME: METROPOLITAN OAKLAND INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 28L, AMDT 2 30 APRIL 2015					SUP:				
												AMDT: 1A				
												DATED 05/01/2014				

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			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.													
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33																
TERMINAL ROUTES, (CONT.):																
<table><tr><td>FROM</td><td>TO</td><td>COURSE AND DISTANCE</td><td>ALTITUDE</td></tr><tr><td>RW28L (MAP)</td><td>OPLIE (TF) (FB) (RNP 1.00)</td><td>278.17 / 9.48</td><td></td></tr><tr><td>OPLIE</td><td>REBAS (TF) (FO) (RNP 1.00)</td><td>347.99 / 9.53</td><td>3000</td></tr></table>					FROM	TO	COURSE AND DISTANCE	ALTITUDE	RW28L (MAP)	OPLIE (TF) (FB) (RNP 1.00)	278.17 / 9.48		OPLIE	REBAS (TF) (FO) (RNP 1.00)	347.99 / 9.53	3000
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<div>QUALITY 2 CHECKED</div>																
CITY AND STATE	ELEVATION: 9	TDZE: 9	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:												
OAKLAND, CA	AIRPORT NAME:		RNAV	RNAV (RNP) Z RWY 28L, AMDT 2												
	METROPOLITAN OAKLAND INTL			30 APRIL 2015												
			SUP:													
			AMDT:	1A												
			DATED:	05/01/2014												

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[illegible][illegible][illegible][illegible][illegible]

QUALITY
3 15
2012
CHECKED


FAA FORM 8260 - 10 / April 2006 (Computer Generated)

SUSAP KOAKK2SRW28LK2PG018018005125M



CITY AND STATE OAKLAND, CA	ELEVATION: 9	TDZE: 9	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28L, AMDT 2 30 APRIL 2015	SUP:
	AIRPORT NAME: METROPOLITAN OAKLAND INTL	AMDT: 1A			
	DATED: 05/01/2014				

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RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BBUBB	BBUBB	010	IAF	IF		FB				AT 05000	
	BBUBB	JUPAP	020		TF		FB	1.0			AA 03700	
	BBUBB	HEDER	030		TF		FB	0.9			AA 02800	
	CYMBL	CYMBL	010	IAF	IF		FB				AT 05300	
	CYMBL	JUPAP	020		TF		FB	1.0			AA 03700	
	CYMBL	HEDER	030		TF		FB	0.9			AA 02800	
		HEDER	010	FACF	IF		FB				AA 02800	
		VODSY	020	FAF	TF		FB	0.6			AA 01900	
		RW28L	030	MAP	TF		FO	0.3			AT 00063	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		OPLIE	040		TF		FB	1.0				
		REBAS	050		TF		FO	1.0			AA 03000	
		REBAS	060		HM	R	FO		343.6 (357.6T)	004.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		REBAS	N375626.46		W1222301.20		N3756.441		W12223.020			
		BBUBB	N374014.58		W1215018.49		N3740.243		W12150.308			
		CYMBL	N373415.17		W1215037.07		N3734.253		W12150.618			
		HEDER	N374004.87		W1220219.93		N3740.081		W12202.332			
		JUPAP	N373825.28		W1215714.44		N3738.421		W12157.241			
		OPLIE	N374654.62		W1222326.29		N3746.910		W12223.438			
		VODSY	N374109.24		W1220537.89		N3741.154		W12205.632			
		RW28L	N374320.18		W1221221.63		N3743.336		W12212.361			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW28L	00008		55							



CITY AND STATE OAKLAND, CA	ELEVATION: 9	TDZE: 9	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: METROPOLITAN OAKLAND INTL		RNAV	RNAV (RNP) Z RWY 28L, AMDT 2	AMDT: 1A
				30 APRIL 2015	DATED: 05/01/2014