U.S. 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FIM VORTAC (40V)	WAKER (TF) (FB) (RNP 1.00) (40E)	159.00/19.62	5100
WAKER (40E)	OLAFF (TF) (FB) (RNP 1.00) (40E)	159.05/8.39	4100
OLAFF (IAF) (40E) (43A)	TIMSE (TF) (FB (RNP 1.00) (40E) (41E)	068.77/8.80	2800
EXERT (IAF)(4OE) (43A)	TIMSE (TF) (FB (RNP 1.00) (40E) (41E)	065.10/10.57	2800
MERMA (IAF) (40E) (43A)	TIMSE (TF) (FB (RNP 1.00) (40E) (41E)	062.20/3.81	2800
TIMSE (IF) (40E) (43I)	FUMBL (TF) (FB) (RNP 1.00) (40E) (43F)	068.87/6.01	1800
FUMBL (FAF) (40E) (43F)	RW07R (TF) (FO) (40G) (41Y) (43M)	068.94/5.02	
RW07R (MAP) (40E) (41Y) (43M)	ESINE (TF) (FB) (RNP 1.00) (40E)	068.99/5.90	

MISSED APPROACH

MAP: DA

CLIMB TO 3000 VIA 068.99 TRACK TO ESINE AND 068.77 TRACK TO DOWNE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 248.00 INBOUND.
CHART FAS OBSTACLE: 203 ANT 335602N/1182555W
192 TWR 335548N/1182540W
DISTANCE TO THLD FROM 293 HAT: 0.75 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 178.0 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TIMSE
3. FAC: 068.94 FAF: ____ DIST FAF TO MAP: 5.02 THLD: 5.02
4. MIN. ALT: TIMSE 2800
5. DIST TO THLD FROM OM: 5.02 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: FUMBL 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.7# 34:1 IS CLEAR
8. MSA FROM: RW07R 7700

MAG VAR: 14E EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.12 DA	418	2400	293	418	2400	293	418	2400	293	418	2400	293			
RNP 0.30 DA	483	4000	358	483	4000	358	483	4000	358	483	4000	358			

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 5C (41F) OR ABOVE 48C (119F). FOR INOPERATIVE MALSR, INCREASE RNP 0.12 VISIBILITY TO RVR 5000 ALL CATS, AND RNP 0.30 VISIBILITY TO RVR 6000 ALL CATS
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE	ELEVATION: 126 TDZE: 125 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LOS ANGELES, CA	LOS ANGELES INTL	RNAV	31 JUL,2008 RNAV (RNP) Z RWY 7R, ORIG	AMDT: NONE
				DATE

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TERMINAL ROUTES (CONTINUED)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ESINE (40E)	DOWNE (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	068.77/8.95	3000

NOTES: (CONTINUED)

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FIM VORTAC AIRWAY RADIALS 148 CW 195. PROCEDURE NA FOR ARRIVALS AT EXERT VIA V25 WESTBOUND, V27 NORTHWEST BOUND. PROCEDURE NA FOR ARRIVALS AT MERMA VIA V25 WESTBOUND. CHART PLANVIEW NOTE AT FIM VORTAC: MAX 250 KIAS VIA V186-597 WESTBOUND.

CITY AND STATE	ELEVATION: 126 TDZE: 125 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LOS ANGELES, CA	LOS ANGELES INTL	RNAV	31 JUL 2008 RNAV (RNP) Z RWY 7R, ORIG	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP)

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FIM	FIM	010		IF		FB				
	FIM	WAKER	020	SDF	TF		FB	1.00	159.0 (173T)	019.6	05100
	FIM	OLAFF	030	IAF	TF		FB	1.00	159.1 (173T)	008.4	04100
	FIM	TIMSE	040	IF	TF	L	FB	1.00	068.8 (083T)	008.8	02800
	EXERT	EXERT	010	IAF	IF		FB				
	EXERT	TIMSE	020	IF	TF		FB	1.00	065.1 (079T)	010.6	02800
	MERMA	MERMA	010	IAF	IF		FB				
	MERMA	TIMSE	020	IF	TF		FB	1.00	062.2 (076T)	003.8	02800
		TIMSE	010	FACF	IF		FB	1.00			02800
		FUMBL	020	FAF	TF		FB	1.00	068.9 (083T)	006.0	01800
		RW07R	030	MAP	TF		FO	0.3	068.9 (083T)	005.0	00178 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ESINE	040		TF		FB	1.00	069.0 (083T)	005.9	
	DOWNE	050		TF		FO	1.00	068.8 (083T)	009.0	03000
	DOWNE	060		HM	L	FO	2.00	248.0 (262T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DOWNE	N335751.49	W1180725.42	N3357.858	W11807.424
	ESINE	N335644.20	W1181806.11	N3356.737	W11818.102
	EXERT	N335239.94	W1185045.93	N3352.666	W11850.766
	FIM	N342124.10	W1185252.65	N3421.402	W11852.878
	FUMBL	N335524.13	W1183107.93	N3355.402	W11831.132
	MERMA	N335344.91	W1184244.49	N3353.749	W11842.742
	OLAFF	N335333.39	W1184846.95	N3353.557	W11848.783
	TIMSE	N335439.51	W1183817.58	N3354.659	W11838.293
	WAKER	N340153.80	W1185000.06	N3401.897	W11850.001
	RW07R	N335601.12	W1182508.45	N3356.019	W11825.141

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07R	00119	59

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