

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CAGEN (IAF)	POYOK (NOPT) (FB)	121.18 / 9.30	6000	LPV: DA LNAV/VNAV: DA LNAV: RW21 CLIMB TO 6000 DIRECT WEKAK AND LEFT TURN VIA 120.68 TRACK TO JUNUB AND VIA 030.88 TRACK TO AGIVE AND HOLD.
AGIVE (IAF)	POYOK (NOPT) (FB)	301.60 / 9.30	6000	
POYOK (IF/IAF)	WADIN (FB)	211.39 / 7.50	4800	
WADIN	RUBYO (FB)	211.19 / 7.49	2600	

THIS IS A REPLACEMENT COPY OF A PROCEDURE PUBLISHED IN TL 08-15

ADDITIONAL FLIGHT DATA:
 HOLD SE, RT, 301.60 INBOUND.
 CHART FAS OBST: 808 TREE 644539N/1552024W
 CHART FAS OBST: 956 TREE 644313N/1552603W
 DISTANCE TO THLD FROM 261 HAT: 0.70 NM.
 WAAS CHANNEL # 77807
 REFERENCE PATH ID: W21A

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE POYOK, RT, 211.39 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
- FAC: 210.98 FAF: RUBYO DIST FAF TO MAP: 5.88 THLD: 5.88
- MIN. ALT: POYOK 6000, WADIN 4800, RUBYO 2600
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: RUBYO OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 20E

EPOCH YEAR: 2005

MINIMUMS

TAKEOFF:		STANDARD	X	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	919	1	261	919	1	261	919	1	261		NA					
LNAV/VNAV DA	1199	2	541	1199	2	541	1199	2	541		NA					
LNAV MDA	1220	1	562	1220	1	562	1220	1 1/2	562		NA					
CIRCLING	1260	1	602	1260	1	602	1260	1 3/4	602		NA					

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING GALENA ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

CITY AND STATE	ELEVATION: 658 TDZE: 658	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
RUBY, AK	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 21, AMDT 2	AMDT: 1
	RUBY		31 JUL 2008	DATED 07/05/2007

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GALENA ALTIMETER SETTING AND INCREASE

ALL DA/MDA 340 FEET; INCREASE LPV VISIBILITY ALL CATS AND LNAV CAT C 1 1/4 MILE, LNAV/VNAV ALL

CATS VISIBILITY 2 MILES, LNAV CATS A/B AND CIRCLING CATS A/B VISIBILITY 1/4 MILE, CIRCLING CAT C

VISIBILITY 1 MILE.

TAA

	FROM	TO	ALT
1.	121/30 CW 302/30 (NOPT)	121/4 CW 302/4	7200
2.	121/4 CW 302/4	POYOK (IF/IAF) (FB)	6000
3.	302/30 CW 031/30	AGIVE (IAF) (FB)	6000
4.	031/30 CW 121/30	CAGEN (IAF) (FB)	6000

CITY AND STATE

RUBY, AK

ELEVATION: 658

TDZE: 658

AIRPORT NAME:

RUBY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 2

31 JUL 2008

SUP:

AMDT: 1

DATED: 07/05/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PARY
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	644350.4155N
LTP/FTP LONGITUDE	1552735.8490W
LTP/FTP ELLIPSOIDAL HEIGHT	+02084
FPAP LATITUDE	644254.2900N
FPAP LONGITUDE	1553016.8200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

2FAC3F52

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+02004
FPAP ORTHOMETRIC HEIGHT	+02004

CITY AND STATE

RUBY, AK

ELEVATION: 658

TDZE: 658

AIRPORT NAME:

RUBY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 2

31 JUL 2008

SUP:

AMDT:

1

DATED:

07/05/2007

CHECKED

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.

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

CITY AND STATE RUBY, AK	ELEVATION: 658 TDZE: 658 AIRPORT NAME: RUBY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 2 31 JUL 2008	SUP:
				AMDT: 1
				DATED: 07/05/2007

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.

[illegible]

SUP:	
AMDT:	1
DATED:	07/05/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AGIVE	AGIVE	010	IAF	IF		FB				
	AGIVE	POYOK	020		TF		FB	1.0	301.6 (322T)	009.3	06000
	CAGEN	CAGEN	010	IAF	IF		FB				
	CAGEN	POYOK	020		TF		FB	1.0	121.2 (141T)	009.3	06000
	POYOK	POYOK	010		HF	R	FB		211.4 (231T)	006.0	06000
		POYOK	010	FACF	IF		FB				06000
		WADIN	011	SDF	TF		FB	0.5	211.4 (231T)	007.5	04800
		RUBYO	020	FAF	TF		FB	0.5	211.2 (231T)	007.5	02600
		RW21	030	MAP	TF		FO	0.3	211.0 (231T)	005.9	00698

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WEKAK	040		DF		FB	1.0			
	JUNUB	050		TF	L	FB	1.0	120.7 (141T)		
	AGIVE	060		TF		FO	1.0	030.9 (051T)		06000
	AGIVE	070		HM	R	FO	2.0	301.6 (322T)	006.0	06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGIVE	N644938.74	W1543559.26	N6449.646	W15435.988
	CAGEN	N650407.88	W1550316.47	N6504.131	W15503.275
	JUNUB	N643322.77	W1552319.44	N6433.380	W15523.324
	POYOK	N645653.94	W1544934.18	N6456.899	W15449.570
	RUBYO	N644732.11	W1551656.85	N6447.535	W15516.948
	WADIN	N645213.62	W1550318.01	N6452.227	W15503.300
	WEKAK	N644033.66	W1553658.71	N6440.561	W15536.979
	RW21	N644350.42	W1552735.85	N6443.840	W15527.598

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW21	00658		40

CITY AND STATE
RUBY, AK

ELEVATION: 658 TDZE: 658
 AIRPORT NAME:
RUBY

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, AMDT 2
31 JUL 2008

SUP:
 AMDT: **1**
 DATED: **07/05/2007**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.27					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	MAP: 4.29 MILES AFTER BOGGA LOM											
TDG VOR/DME	BOGGA LOM	111.51 / 6.12	4000	CLIMBING RIGHT TURN TO 5000 VIA HEADING 110.00 AND VIA TDG VOR/DME R-085 TO KOCEY INT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 137.15 INBOUND. CHART FAS OBST: 1039 TREE 333600N/0855324W CHART 4000 PRIOR TO BOGGA LOM IN PROFILE. CHART: R-2101, R-2102A, B, C BOGGA LOM TO RW05: 3.44/40											
GOSSE INT (IAF)	CLARC INT (NOPT)	353.82 / 6.35 (TDG R-174)	3200												
LINTZ INT (IAF)	CLARC INT (NOPT)	049.36 / 6.19	3200												
CLARC INT (IF)	BOGGA LOM	049.36 / 6.83	2200												
THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 08-14. CHANGED FAC ID FROM "ANB" TO "AN" AND REMOVED 18.00 DME FROM KOCEY INT.															
1. PT <u>R</u> SIDE OF COURSE <u>229.50</u> OUTBOUND <u>4000</u> FT WITHIN <u>10</u> MILES OF <u>BOGGA LOM</u> (IAF)					MAG VAR: 1W EPOCH YEAR: 1990										
2. _____															
3. FAC <u>049.50</u> FAF <u>BOGGA LOM</u> DIST FAF TO MAP <u>4.29</u> THLD <u>4.29</u>															
4. MIN. ALT <u>BOGGA LOM 2200</u>															
8. MSA FROM: <u>AN LOM 4000</u>															
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A				@					
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-5	1600	3/4	1005	1600	1	1005	1600	2 1/2	1005	1600	2 3/4	1005			
CIRCLING	1600	1 1/4	988	1600	1 1/2	988	1600	3	988	1600	3	988			
NOTES: CHART NOTE: CIRCLING NA NORTH OF RWY 5/23. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TALLADEGA ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-5 CAT A VISIBILITY TO 1 1/4 AND CAT B TO 1 1/2 MILE.															
CITY AND STATE ANNISTON, AL		ELEVATION: 612 TDZE: 595 AIRPORT NAME: ANNISTON METROPOLITAN		FACILITY IDENTIFIER: AN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 5, AMDT 3 31 JUL 2008				SUP NDB OR GPS RWY					
										5					
										AMDT 2					
										DATE 01/18/2000					

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		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	ILS: DA LOC: 5.03 MILES AFTER TURKA/7.16 DME/RADAR OR AT I-IAS 2.13 DME FIX CLIMB TO 3000 VIA LAX VORTAC R-068 TO DOWNE INT/LAX 15.50 DME/RADAR AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA HEADING 069 AND SLI R-327 TO DOWNE INT/SLI 11.38 DME/RADAR AND HOLD SE, LT, 327.39 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, LT, 248.00 INBOUND. CHART FAS OBST: 203 ANT ON OL POLE 335602N/1182555W CHART LOC RWY 6L. CHART LOC RWY 6R. CHART VDP AT 3.21 DME; DISTANCE VDP TO THLD 1.08 MILES. CHART (ACISU) AT INTERSECTION OF DR LEG AND INITIAL COURSE CHART (DITDA) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE DO NOT CHART: ALTERNATE MA HOLDING AT DOWNE	
SMO VOR/DME	WAKER INT	259.00 / 18.83	5100		
FIM VORTAC	WAKER INT	158.00 / 19.62	5100		
WAKER INT (IAF)	STEMS/I-IAS 21.95 DME/RADAR	158.00 / 8.25 (FIM R-158) & 068.99 / .95 (I-IAS) (LAX LR-255)	3000*		
EXERT INT (IAF)	STEMS/I-IAS 21.95 DME/RADAR	024.00 / 1.14 (HDG) & 068.99 / .95 (I-IAS)	3000*		
STEMS/I-IAS 21.95 DME/RADAR	FEKIL/13.16 DME/RADAR	068.99 / 8.79 (I-IAS)	1800		
TANDY INT (IAF)	MERMA INT	328.00 / 9.34 (FIM R-148)	2800		
SEE 8260-10					

1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. PROFILE STARTS AT STEMS	
3. FAC: <u>068.99</u> FAF: <u>TURKA/7.16 DME/RADAR</u> DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.03</u>	
4. MIN. ALT: <u>STEMS 3000*, FEKIL 1800, TURKA 1800</u>	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1101</u>	
6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>TURKA/7.16 DME/RADAR 1800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>58.5</u>	
8. MSA FROM: <u>LAX VORTAC 060-190 2700, 190-300 4400, 300-060 7700</u>	

MAG VAR: 14E EPOCH YEAR: 1980

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: STANDARD	LOC: 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
S-ILS 7L	327	1800	201	327	1800	201	327	1800	201	327	1800	201			
S-LOC 7L	520	2400	394	520	2400	394	520	2400	394	520	4000	394			
SIDESTEP 7R	520	5000	395	520	5000	395	520	5000	395	520	1 1/2	395			

NOTES:
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 7R CATS A AND B.
 CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL08-15
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 6L/R.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EXERT VIA V25 WESTBOUND, V27 NORTHWEST BOUND.
 SEE 8260-10

CITY AND STATE	ELEVATION: 126	TDZE: 7L 126	FACILITY IDENTIFIER: I-IAS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LOS ANGELES, CA	AIRPORT NAME:	TDZE: 7R 125		ILS OR LOC RWY 7L, AMDT 7	AMDT: 6B
	LOS ANGELES INTL			31 JUL 2008	DATED 04/10/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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
MERMA INT (IAF)	FEKIL/13.16 DME/RADAR	023.99 / .81 (HDG) & 068.99 / 3.21 (I-IAS)	1800
FEKIL/13.16 DME/RADAR (IF)	TURKA/7.16 DME/RADAR	068.99 / 6.00 (I-IAS)	1800

NOTES CONT.

PROCEDURE NA FOR ARRIVALS AT MERMA VIA V25 WESTBOUND.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS

CHART PROFILE NOTE: * WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT, 3000.



CITY AND STATE

LOS ANGELES, CA

ELEVATION: 126

AIRPORT NAME:

LOS ANGELES INTL

TDZE: 7L 126

TDZE: 7R 125

FACILITY
IDENTIFIER:

I-IAS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 7L, AMDT 7

31 JUL 2008

SUP:

AMDT: 6B

DATED: 04/10/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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	
SMO VOR/DME	WAKER INT	259.00 / 18.83	5100	ILS: DA LOC: 5.02 MILES AFTER FUMBL/7.01 DME/RADAR OR AT 1.99 DME FIX
FIM VORTAC	WAKER INT	158.00 / 19.62	5100	
WAKER INT (IAF)	OLAFF/21.82 DME/RADAR	158.00 / 8.39 (FIM R-158) (LAX LR-254)	3000*	CLIMB TO 3000 VIA LAX VORTAC R-068 TO DOWNE INT/LAX 15.50 DME/RADAR AND HOLD; OR WHEN DIRECTED BY ATC CLIMB TO 3000 VIA HEADING 069 AND SLI R-327 TO DOWNE INT/SLI 11.38 AND HOLD SE, LT, 327.39 INBOUND.
EXERT INT (IAF)	OLAFF/21.82 DME/RADAR	024.00 / .95 (HDG) & 068.99 / 1.08 (I-MKZ)	3000*	
OLAFF/21.82 DME/RADAR	TIMSE/13.02 DME/RADAR	068.99 / 8.80 (I-MKZ) & 068.99 / 1.08 (I-MKZ)	1800	ADDITIONAL FLIGHT DATA: HOLD E, LT, 248.00 INBOUND. CHART FAS OBST: 203 ANT ON OL POLE 335602N/1182555W CHART LOC RWY 6L. CHART LOC RWY 6R. CHART VDP AT 2.80 DME; DISTANCE VDP TO THLD 0.81 MILES. CHART (AVECI) AT INTERSECTION OF DR LEG AND INTIAL COURSE CHART (GIPYE) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE DO NOT CHART: ALTERNATE MA HOLDING AT DOWNE
TANDY INT (IAF)	MERMA INT	328.00 / 9.34 (FIM R-148)	2800	
MERMA INT (IAF)	TIMSE/13.02 DME/RADAR	023.99 / .62 (HDG) & 068.99 / 3.35 (I-MKZ)	1800	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT OLAFF
3. FAC: 068.99 FAF: FUMBL/7.01 DME/RADAR DIST FAF TO MAP: 5.02 THLD: 5.02
4. MIN. ALT: OLAFF 3000*, TIMSE 1800, FUMBL 1800
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 1075
6. MIN GS INCPT: 1800 GS ALT AT: FUMBL/7.01 DME/RADAR 1800 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 58.7
8. MSA FROM: LAX VORTAC 060-190 2700, 190-300 4400, 300-060 7700

MAG VAR: 14E

EPOCH YEAR: 1980

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		ILS: STANDARD					LOC: 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
S-ILS 7R	325	2400	200	325	2400	200	325	2400	200	325	2400	200			
S-LOC 7R	460	2400	335	460	2400	335	460	2400	335	460	4000	335			
SIDESTEP 7L	520	5000	395	520	5000	395	520	5000	395	520	1 1/2	395			

NOTES:
CHART NOTE: DME OR RADAR REQUIRED. THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL08-15.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 7R CAT D VISIBILITY TO RVR 5000.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 7L CAT A/B.
SEE 8260-10

CITY AND STATE	ELEVATION: 126	TDZE: 7R 125	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LOS ANGELES, CA	AIRPORT NAME:	TDZE: 7L 126	I-MKZ	ILS OR LOC RWY 7R, AMDT 6	AMDT: 5A
	LOS ANGELES INTL			31 JUL 2008	DATED 04/10/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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.

NOTES CONT.

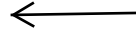
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EXERT VIA V25 WESTBOUND, V27 NORTHWEST BOUND.

PROCEDURE NA FOR ARRIVALS AT MERMA VIA V25 WESTBOUND.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 6L/R.

CHART PROFILE NOTE: * WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT, 3000.

CITY AND STATE
LOS ANGELES, CAELEVATION: 126 TDZE: 7R 125
AIRPORT NAME: TDZE: 7L 126
LOS ANGELES INTLFACILITY
IDENTIFIER:
I-MKZPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 7R, AMDT 6
31 JUL 2008SUP:
AMDT: 5A
DATED: 04/10/2008

U.S. Department of Transportation
Federal Aviation Administration

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	T O	COURSE AND DISTANCE	ALTITUDE												
OAK VORTAC (40V) (43A)	ARTAQ (TF) (FB) (RNP 1.00) (40E) (41E)	138.62 / 13.89	2800	MAP: DA											
ARTAQ (IF) (40E) (43I)	SUNNE (TF) (FO) (RNP 0.50) (40E) (43F)	122.72 / 6.01	1900	CLIMB TO 4600 VIA 122.82 TRACK TO HIVAK AND VIA 120.89 TRACK TO GILRO AND HOLD											
SUNNE (FAF) (40E) (43F)	RW12R (TF) (FO) (40G) (41Y) (43M)	122.76 / 5.58													
RW12R (MAP) (40G) (41Y) (43M)	HIVAK (TF) (FB) (RNP 1.00) (40E)	122.82 / 9.13													
HIVAK (40E)	GILRO (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	120.89 / 17.22	4600	ADDITIONAL FLIGHT DATA: HOLD NW, LT, 121.54 INBOUND. CHART FAS OBS: 124 ANTENNA 372256N/1215651W DIST TO THLD FROM 393 HAT: 1.08 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE 2: S #TCH: 96.2 MSL (DO NOT CHART)											
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. PROFILE STARTS AT ARTAQ															
3. FAC: 122.76 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT: ARTAQ 2800															
5. DIST TO THLD FROM OM: 5.58 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 1900 GS ALT AT: SUNNE 1900 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 58.1# 34:1 IS CLEAR															
8. MSA FROM: RW12R 5600				MAG VAR: 16E EPOCH YEAR: 1990											
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 0.30 DA	439	1	393	439	1	393	439	1	393	439	1	393			
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 0C (32F) OR ABOVE 48C (119F). FOR INOPERATIVE MALSR, INCREASE RNP 0.30 VISIBILITY TO 1 1/4 MILE ALL CATS. CHART PLAN VIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OAK VORTAC AIRWAY RADIALS 093 CW 114. CHART PROFILE NOTE: VGSI AND RNAV GLIDE PATH NOT COINCIDENT. THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL08-15.															
CITY AND STATE		ELEVATION: 62 TDZE: 46		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
SAN JOSE, CA		AIRPORT NAME		RNAV		31 JUL 2008				AMDT: NONE					
		NORMAN Y. MINETA SAN JOSE INTL				RNAV (RNP) Z RWY 12R, ORIG				DATE					