

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
LMT	ILS Y OR LOC Y RWY 32	21	KLAMATH FALLS	OR		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
4095	4095	ILS OR LOC/DME RWY 32	20B	05/21/2020	14E	2025
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-LMT		31 OCTOBER 2024	ROUTINE			

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
MUREX/LMT 17.00 DME CCW	IAF	TAHNE/LMT 17.00 DME					17.00 DME ARC (LMT LR-149)		9000
TULIP/LMT 17.00 DME CW	IAF	TAHNE/LMT 17.00 DME					17.00 DME ARC (LMT LR-135)		9000
TAHNE/LMT 17.00 DME	IF	MZAMA/LMT 7.34 DME					324.23 (I-LMT)	9.66	6300

MISSED APPROACH

MAP:

ILS: DA
LOC: LMT 0.61 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4700 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 266 AND ON LMT VORTAC R-293 TO FNRR/LMT 10.60 DME THEN LEFT TURN DIRECT LMT VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 7000 ON HEADING 324 FOR RADAR VECTORS.

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)			
2.	PROFILE STARTS AT TAHNE/LMT 17.00 DME								
3.	FAC:	324.23	FAF:	MZAMA/LMT 7.34 DME	DIST FAF TO MAP:		DIST FAF TO THLD:	6.75	
4.	MIN ALT:	TAHNE/LMT 17.00 DME 9000, MZAMA/LMT 7.34 DME 6300, SRCUS/LMT 4.39 DME 5360							
5.	DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	GS ANT:	1091		
6.	MIN GS INCPT:	6300	GS ALT AT PFAF: MZAMA/LMT 7.34 DME 6300			OM:		MM:	IM:
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.1			
8.	MSA FROM:	LMT VORTAC 090-180 7800, 180-360 9500, 360-090 8500							



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D NE OF RWY 14-32.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: DME FROM LMT VORTAC. SIMULTANEOUS RECEPTION OF I-LMT AND LMT DME REQUIRED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LOC CATS C/D VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

4676 AAO 420427N/1214157W

HOLD W, RT, 070.00 INBOUND.
FAS OBST: 4292 AAO 420536N/1214121W.
CHART VDP AT 2.37 DME.
DISTANCE VDP TO THLD 1.78 NM.
CHART LMT R-164 AT MUREX.
CHART LMT R-131 AT TULIP.
CHART CIRCLING ICON.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD - CAT B 900-2, CAT C 1400-3, CAT D 1600-3

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 32	4315	2400	220	4315	2400	220	4315	2400	220	4315	2400	220			
S-LOC 32	4720	2400	625	4720	2400	625	4720	1 3/8	625	4720	1 3/8	625			
CIRCLING	4840	1	745	4980	1 1/4	885	5420	3	1325	5680	3	1585			

CHANGES - REASONS

1. UPDATED ALL COURSES AND HEADINGS THAT ARE BASED ON THE AIRPORT AND ILS DATA BY 3 DEGREES - KLMT AND I-LMT MAGVAR CHANGE FROM 17E TO 14E.
2. CHANGED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 4700 THEN CLIMBING LEFT TURN TO 10000 VIA HEADING 263 AND LMT VORTAC R-293 TO FNGRR/LMT VORTAC 10.60 DME THEN LEFT TURN DIRECT LMT VORTAC AND HOLD, OR WHEN DIRECTED BY ATC, CLIMB TO 5000 VIA HEADING 321 FOR RADAR VECTORS (RADAR REQUIRED) TO CLIMB TO 4700 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 266 AND ON LMT VORTAC R-293 TO FNGRR/LMT 10.60 DME THEN LEFT TURN DIRECT LMT VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000. - NEW OBSTACLE EVALUATION AND MAGVAR UPDATE.
3. UPDATED FAF FROM MZAMA/LMT VORTAC 7.22 DME TO MZAMA/LMT 7.34 DME, FAF TO THLD FROM 6.63 TO 6.75 - MZAMA MOVED .12 NM SOUTH.
4. STEPDOWN FIX CHANGED FROM SRCUS/LMT VORTAC 4.40 DME 5380* TO SRCUS/LMT 4.39 DME 5360 - MIN ALT CHANGE DUE TO NEW OBSTACLE EVALUATION, DME DISTANCE CHANGED DUE TO NEW EVALUATION, COORDINATES ARE UNCHANGED.
5. ADDED CHART NOTE FOR INOPERATIVE ALS, INCREASE LOC CATS C/D VISIBILITY TO 1 3/4 SM - UPDATED APPROACH MINIMUMS.
7. INCREASED CIRCLING CAT D MINIMUMS FROM CMDA/HAA 5660/1565 TO 5680/1585 - NEW OBSTACLE DATA.
8. REMOVED CHART PLANVIEW NOTE DME REQUIRED AND ADDED EQUIPMENT REQUIREMENTS NOTE DME REQUIRED - DOCUMENTED IN EQUIPMENT REQUIREMENTS NOTES IAW 8260.19J PARA 8-6-9.A.
9. UPDATED FAS OBST FROM 4279 TREE 420626N/1214259W TO 4292 AAO 420536N/1214121W AND UPDATED CHART 4579 TREE 420426N/1214156W TO 4676 AAO 420427N/1214157W IN ADDITIONAL FLIGHT DATA - NEW OBSTACLE DATA.
10. CHANGED NOTE FROM CIRCLING NA FOR CAT D EAST OF RWY 14-32 TO CHART NOTE: CIRCLING NA FOR CAT D NE OF RWY 14-32 - NE DIRECTION IS MORE ACCURATE.
11. REMOVED S-ILS 32* (CG 217/ CGTA 5600) MINIMUMS FROM PROCEDURE - MINIMUM AUTHORIZED HAT FOR ILS FINAL IS 220 DUE TO PRECIPITOUS TERRAIN IN MISSED APPROACH.
12. CHANGED S-ILS 32 MINIMUMS FROM DA/HAT 4316/221 TO 4315/220 - NEW OBSTACLE DATA.
13. INCREASED S-LOC 32 MINIMUMS ALL CATS MDA/HAT FROM 4620/525 TO 4720/625, CATS C/D VIS FROM 5000 TO 1 3/8 NM - NEW OBSTACLE DATA.
14. ADDED CHART VDP AT 2.37 DME AND DISTANCE VDP TO THLD 1.78 NM - ESTABLISHED FOR ALL STRAIGHT IN NPA PROCEDURES.
15. CHANGED PROCEDURE NAME FROM ILS OR LOC RWY 32 TO ILS Y OR LOC Y RWY 32 - PROCEDURES USING THE SAME FINAL APPROACH GUIDANCE TO THE SAME RUNWAY REQUIRE A SUFFIX UNLESS ALL TRACKS AND ALTITUDES ARE IDENTICAL IAW 8260.3E PARA 1-6-2D(4).
16. REMOVED NOTE **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA - NO RUNWAY CENTERLINE LIGHTS.
17. ADDED NOTE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA - NO SUITABLE BACKUP ALTIMETER SOURCE AVAILABLE.

08/14/2024: THIS IS AN UPDATED COPY OF THE FORM APPROVED ON 06/06/2024.
1. REMOVED REFERENCE OF CAT E FROM CHANGES/REASONS NUMBER 10.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

☒

OTHER:

ZSE, LMT APP CON, LMT ATCT, MMV FSS, AMGR

FLIGHT CHECKED BY
GARY JOHN VEER

Digitally signed by
ROBERT G HAMILTON
Aug 16, 2024

OFFICE
FIOG
DATE
08/08/2024

DEVELOPED BY
GUY COPELAND

Digitally signed by
ROBERT G HAMILTON
Aug 16, 2024

OFFICE
AJV-A433
DATE
02/15/2024

APPROVED BY
BEV L BORDY

Digitally signed by
ROBERT G HAMILTON
Aug 16, 2024

OFFICE
AJV-A430
DATE
TITLE
MANAGER

