

**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> LMT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> KLAMATH FALLS	<u>STATE</u> OR
<u>AIRPORT ELEVATION</u> 4095	<u>TDZE</u> 4091	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u> 14E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> I-LZO	<u>COORDINATES OF FACILITIES</u> 420825.43N/1214329.79W	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>

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>
MIXUP INT/LMT 25.00 DME		MUPEE/LMT 20.00 DME					134.41	5.00 (LMT R-314)	9100
MUPEE/LMT 20.00 DME	IAF	SUCOT/LMT 15.46 DME	NOPT				099.09 (HDG) & 144.22	3.11 (HDG) & 2.20 (LMT R-321)	8400
SUCOT/LMT 15.46 DME	IF	PIMTE/LMT 9.51 DME	PFAF				144.22	5.94 (LMT R-320)	7000

MISSED APPROACH

MAP:

ILS: DA
LOC: 8.40 NM AFTER PIMTE/LMT 9.51 DME OR AT LMT 1.12 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000, THEN CLIMBING RIGHT TURN TO 9400 ON HEADING 180 AND LMT VORTAC R-164 TO MUREX/LMT 17.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9400.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT SUCOT/LMT 15.46 DME				
3. FAC:	144.22	FAF: PIMTE/LMT 9.51 DME	DIST FAF TO MAP:	8.40	DIST FAF TO THLD: 8.40
4. MIN ALT:	SUCOT/LMT 15.46 DME 8400, PIMTE/LMT 9.51 DME 7000, BOPHI/LMT 8.35 DME 6600, FUFPO/LMT 5.82 DME 5740				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	949
6. MIN GS INCPT:	7000	GS ALT AT PFAF: PIMTE/LMT 9.51 DME 7000	OM:	MM:	IM:
7. GS ANGLE:	3.20	34:1:	20:1:	TCH:	53.1
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 CATS D AND E NE OF RWY 14-32.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LMT VORTAC AIRWAY RADIALS 314 CW 351.
CHART NOTE: DME FROM LMT VORTAC. SIMULTANEOUS RECEPTION OF I-LZO AND LMT DME REQUIRED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 14 ALL CATS VISIBILITY TO 1 7/8 SM AND INCREASE S-LOC 14 CATS C/D/E VISIBILITY TO 3 SM.
CHART PLANVIEW NOTE: CAT E MILITARY AIRCRAFT ONLY.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 344.00 INBOUND.
CHART FAS OBST: 4853 AAO 421427N/1214609W.
6116 AAO 421742N/1214700W, 5109 AAO 421506N/1214609W.
CHART VDP AT 3.96 DME.
DISTANCE VDP TO THLD 2.85 NM.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: CAT A, B, C, D, E 700-2, NA WHEN CONTROL TOWER CLOSED.; LOC: CAT A, B 1100-2, CAT C 1400-3, CAT D 1600-3, CAT E 1700-3, NA WHEN CONTROL TOWER CLOSED.

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 14	4744	1 5/8	653	4744	1 5/8	653	4744	1 5/8	653	4744	1 5/8	653	4744	1 5/8	653
S-LOC 14	5120	1	1029	5120	1 1/4	1029	5120	2 1/2	1029	5120	2 1/2	1029	5120	2 1/2	1029
CIRCLING	5120	1 1/4	1025	5120	1 1/2	1025	5420	3	1325	5680	3	1585	5700	3	1605

CHANGES - REASONS

ORIGINAL PROCEDURE.

11/18/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/08/2024.
1. REMOVED "CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})."
2. UPDATED CHART VDP AND VDP TO THRESHOLD DISTANCE.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZSE, LMT APP CON, LMT ATCT, MMV FSS, AMGR.

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY
PARNELL PRASSADA

Digitally signed by
PARNELL R PRASSADA
Nov 18, 2024

OFFICE
AJV-A431

DATE
02/08/2024

APPROVED BY
BEV L BORDY

OFFICE
AJV-A430

DATE
05/08/2025

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
LMT	ILS OR LOC RWY 14	ORIG	KLAMATH FALLS	OR	4095	I-LZO

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM MIXUP INT/LMT 25.00 DME **TO** MUPEE/LMT 20.00 DME

<u>RNP</u>	<u>DISTANCE</u> 5.00	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	422515.00N/1215727.00W	4987	215	8	4B	2000				AT2113	9100
TERRAIN	422515.00N/1215727.00W	4786 (4800)								AS1500	6300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM MUPEE/LMT 20.00 DME **TO** SUCOT/LMT 15.46 DME

<u>RNP</u>	<u>DISTANCE</u> 3.11	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	422654.00N/1214933.00W	6752	215	8	4B	1000				PR200 AT448	8400
TERRAIN	422654.00N/1214933.00W	6551 (6600)								AS1500	8100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

SUCOT/LMT 15.46 DME

TO

PIMTE/LMT 9.51 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.94										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	421824.00N/1214718.00W	5945	215	8	4B	500				SA-44 PR180 AT419	7000
TERRAIN	421827.00N/1214721.00W	5692 (5700)								AS1000	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM

PIMTE/LMT 9.51 DME

TO

RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	8.40		DA				653				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC			MA453	4744

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

PIMTE/LMT 9.51 DME

TO

BOPHI/LMT 8.35 DME

RNP	DISTANCE	PAT	MAP		HAT		HMAS				
	1.17										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	421757.00N/1214706.00W	6155	215	8	4B	250				XL121 SA-37 PR100	6600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

BOPHI/LMT 8.35 DME

TO

FUFPO/LMT 5.82 DME

RNP	DISTANCE	PAT	MAP		HAT		HMAS				
	2.53										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	421648.00N/1214618.00W	5575	215	8	4B	250				XL62 SA-265 PR100	5740

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

FUFPO/LMT 5.82 DME

TO

8.40 NM AFTER PIMTE/LMT 9.51 DME OR AT LMT 1.12 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.71		8.40 NM AFTER PIMTE/LMT 9.51 DME OR AT LMT 1.12 DME	1029	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	421427.00N/1214609.00W	4853	215	8	4B	250				MA499	5120

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

MUREX/LMT 17.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					4342

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	420433.00N/1214436.00W	5361	215	8	4B		ASC				9400
AAO	415245.00N/1215039.00W	6391	215	8	4B	1000				SA-468	7000
TERRAIN	420448.00N/1214609.00W	5190 (5200)								AS1500	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LOC

FROM

8.40 NM AFTER PIMTE/LMT 9.51 DME OR AT LMT 1.12 DME

TO

MUREX/LMT 17.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 4870			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	420433.00N/1214436.00W	5361	215	8	4B		ASC				9400
AAO	415245.00N/1215039.00W	6391	215	8	4B	1000				SA-468	7000
TERRAIN	420448.00N/1214609.00W	5190 (5200)								AS1500	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☒ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☒ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
POLE (41-022048)	420816.10N/1214518.95W	1.37	1025	4528	20	3	1A	300			5120
CATEGORY B											
TOWER (41-000343)	420842.34N/1214618.64W	1.96	1025	4675	20	3	1A	300		SI	5120
CATEGORY C											
TREE (41-073323)	420746.21N/1213957.42W	3.12	1325	5002	20	10	1B	300			5420
CATEGORY D											
AAO	420433.00N/1214436.00W	4.11	1585	5361	215	8	4B	300			5680
CATEGORY E											
AAO	420448.00N/1214609.00W	5.16	1605	5391	215	8	4B	300			5700

CIRCLING REMARKS:

MSA

CENTER

LMT VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-180	AAO	420600.00N/1213809.00W	111	5.2	6709	215	8	4B	1000			7800
180-360	AAO	421857.00N/1220515.00W	284	18.8	8405	215	8	4B	1000			9500
360-090	AAO	422430.00N/1214006.00W	353	15.5	7470	215	8	4B	1000			8500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZSE ARTCC, ZSE APP CON, LMT TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	LMT	24	LMT	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

NO SUITABLE BACKUP ALTIMETER SOURCE AVAILABLE.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-LZO	ATCT	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW08 - MIRL (PCL)	NPI-G	
RW26 - REIL, MIRL (PCL), PAPI-4L	NPI-G	
RW32 - MALSR (PCL), HIRL (PCL), VASI-4L	PIR-F	APPROACH
RW14 - MALSF (PCL), HIRL (PCL), PAPI-4L	PIR-G	ROLL OUT

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.20	4091.0	53.1	4086.5	949	3.20	53.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT REQUEST.

PT NOT DEVELOPED DUE TO DESCENT GRADIENT REQUIRED FROM HIGH TERRAIN.

ORDER 8260.3 CHAPTER 2 APPLIED TO 6116 AAO 421742.00N/1214700.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 5109 AAO 421506.00N/1214609.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	7.80
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.90
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	158.22
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	5700
DISTANCE FROM	THLD	TO 1500FT POINT	9.00
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	2.16
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	157.58
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	5700

THRESHOLD COORDINATES (IF STR-IN)	421009.14N/1214425.46W
ARP COORDINATES	420922.12N/1214359.54W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 32 DISTANCE 0.85 NM
FAF COORDINATES	421757.53N/1214837.58W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
PARNELL PRASSADA	AJV-A431	02/08/2024	