

**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.

AIRPORT ID MLU	PROCEDURE NAME ILS OR LOC RWY 22	ORIGINAL/AMENDMENT 5	CITY MONROE	STATE LA
AIRPORT ELEVATION 79	TDZE 78	SUPERSEDED ILS OR LOC RWY 22	DATED 08/12/2021	MAG VAR 3E
FACILITY I-MZR	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1995
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MLU VORTAC		BAIYU OM/MLU 5.13 DME					044.34	5.13	2100
GALIO/MLU 15.64 DME	IAF	GAURS/MLU 12.13 DME	NOPT				177.15 (HDG) & 222.04 (I-MZR R-042)	1.81 & 2.19	1700
GAURS/MLU 12.13 DME	IF	BAIYU OM/MLU 5.13 DME					222.04	7.00	1700

MISSED APPROACH

MAP:
ILS: DA
LOC: 4.79 NM AFTER BAIYU OM/MLU 5.13 DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MLU VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT L SIDE OF COURSE 042.04 OUTBOUND 2100 FT WITHIN 10 MILES OF BAIYU OM/MLU 5.13 DME (IAF)
-
- FAC: 222.04 FAF: BAIYU OM/MLU 5.13 DME PFAF: GP INTCP DIST FAF TO MAP: 4.79 DIST FAF TO THLD: 4.79
- MIN ALT: GAURS/MLU 12.13 DME 1700, BAIYU OM/MLU 5.13 DME 1700, UTPEF/MLU 1.89 DME 620
- DIST TO THLD FROM OM: 4.79 MM: IM: 150 HAT: GS ANT: 1017 OM: 1675 MM: IM:
- MIN GS INCPT: 1700 GS ALT AT PFAF: 20:1 TCH: 54.1
- GS ANGLE: 3.00 34:1
- MSA FROM: MLU VORTAC 140-230 3100, 230-140 2200



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
RADAR OR DME REQUIRED FOR PROCEDURE ENTRY AT BAIYU OM/MLU 5.13 DME.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING RWY 14 NA AT NIGHT.
CHART NOTE: DME FROM MLU VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-MZR AND MLU DME.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 22 CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 033.61 INBOUND.
CHART FAS OBST: 193 TOWER (22-037764) 323146N/0920044W.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED., NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 1100-3, NA WHEN CONTROL TOWER CLOSED., NA WHEN LOCAL WEATHER NOT AVAILABLE.

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 22	278	1/2	200	278	1/2	200	278	1/2	200	278	1/2	200			
S-LOC 22	500	1/2	422	500	1/2	422	500	3/4	422	500	3/4	422			
CIRCLING	580	1	501	580	1	501	740	1 3/4	661	1160	3	1081			

CHANGES - REASONS

1. TERMINAL ROUTES: ADDED IF GAURS (323926.8384N/0915149.4089W) TO DR LEG. INITIAL SEGMENT CHANGED FROM "GALIO/MLU VORTAC 15.64 DME TO BAIYU OM/MLU 5.13 DME COURSE/DISTANCE 177.00 / 1.81 (HDG) & 222.04/9.20 (I-MZR)" TO "GALIO/MLU 15.64 DME TO GAURS/MLU 12.13 DME, COURSE/DISTANCE 177.15 (HDG) & 222.04 (I-MZR R-042), AND ADDED INTERMEDIATE SEGMENT "GAURS/MLU 12.13 DME TO BAIYU OM/MLU 5.13 DME, COURSE/DISTANCE 222.04/7.00, ALT 1700". – IAW 8260.3G 2-4-4.A.
2. MAP: LOC CHANGED FROM "4.79 NM AFTER BAIYU OM/MLU 5.13 DME" TO "4.79 NM AFTER BAIYU OM/MLU 5.13 DME". – IAW 8260.19J 8-6-6.C.
3. REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS. – SABAR LOM DECOMMISSIONED. NO NEW ALTERNATE PER FPT/ATC.
4. PROFILE LINE 3: ADDED "PFAF: GP INTCP". – IAW 8260.19J 8-6-7.C(2).
5. PROFILE LINE 4: ADDED GAURS/MLU 12.13 DME 1700. – NEW IF GAURS, IAW 8260.19J 8-6-7.D.
6. PROFILE LINE 4: SDF UTPEF MOVED 0.14 NM NORTHEAST, CHANGED FROM "UTPEF/MLU 1.75 DME *560" TO "UTPEF/MLU 1.89 DME 620". – MINIMUMS AT UTPEF NO LONGER REQUIRED, ALTITUDE INCREASED FOR RA ADJUSTMENT IAW 8260.19J 8-6-7.D..
7. PROFILE LINE 5: GS ANT CHANGED FROM 1016 TO 1017. – NEW AIRNAV DATA.
8. EQUIPMENT NOTES: CHANGED FROM "DME OR RADAR REQUIRED FOR PROCEDURE ENTRY" TO "DME OR RADAR REQUIRED FOR PROCEDURE ENTRY AT BAIYU OM/MLU 5.13 DME." ADDED "DME REQUIRED". – IAW 8260.19J 8-6-9.
9. NOTES: CHART NOTE CHANGED FROM "#DME FROM MLU VORTAC" TO "DME FROM MLU VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-MZR AND MLU DME" – IAW 8260.19J 8-6-10.K.
10. ADDITIONAL FLIGHT DATA: REMOVED CHART: ASR. – NO LONGER REQUIRED PER 8260.19J.
11. ADDITIONAL FLIGHT DATA: REMOVED CHART PLANVIEW NOTES ALTERNATE MA HOLDING, HOLD SW SABAR LOM, RT, 042.04 INBOUND" AND "SABAR LOM". – SABAR LOM DECOMMISSIONED. NO ALTERNATE MISSED PER FPT/ATC.
12. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBSTACLE FROM 166 TREE 323137N/0920117W TO 193 TOWER (22-037764) 323146N/0920044W. – NEW CONTROLLING OBSTACLE.
13. ALTERNATE MINIMUMS: ADDED "NA WHEN CONTROL TOWER CLOSED" TO LOC, AND "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ILS AND LOC. – IAW 8260.19J 86-12.B.



AIRPORT ID
MLU

PROCEDURE NAME
ILS OR LOC RWY 22

ORIGINAL/AMENDMENT
5

CITY
MONROE

STATE
LA

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZFW, MLU APP CON, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY
JAMIE KUNKLER

OFFICE
AJV-A432

DATE
07/02/2025

APPROVED BY
CASIMIR L. TABAKA

OFFICE
AJV-A432

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> MLU	<u>PROCEDURE NAME</u> ILS OR LOC RWY 22	<u>AMDT NO.</u> 5	<u>CITY</u> MONROE	<u>STATE</u> LA	<u>AIRPORT ELEVATION</u> 79	<u>FACILITY</u> I-MZR
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM MLU VORTAC **TO** BAIYU OM/MLU 5.13 DME

RNP DISTANCE PAT MAP HAT HMAS

5.13

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (22-002349)	323041.00N/0915641.00W	432	500	50	5D	1000				AT668	2100
TERRAIN	322836.00N/0915930.00W	111 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM GALIO/MLU 15.64 DME **TO** GAURS/MLU 12.13 DME

RNP DISTANCE PAT MAP HAT HMAS

1.81

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (22-002017)	324020.00N/0915506.00W	615	500	50	5D	1000					1700
TERRAIN	324239.00N/0915327.00W	160 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
MLU

PROCEDURE NAME
ILS OR LOC RWY 22

AMDT NO.
5

CITY
MONROE

STATE
LA

AIRPORT ELEVATION
79

FACILITY
I-MZR

INTERMEDIATE

FROM
GAURS/MLU 12.13 DME

TO
BAIYU OM/MLU 5.13 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
7.00

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (22-002017)	324020.00N/0915506.00W	615	500	50	5D	500				AT585	1700
TERRAIN	323712.00N/0915542.00W	144 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE: PT

FROM
10 NM

TO
BAIYU OM/MLU 5.13 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
10.00

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (22-002017)	324020.00N/0915506.00W	615	500	50	5D	500					1200
TERRAIN	324239.00N/0915327.00W	160 (200)								AS1500	1700

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**
MLU VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
109

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (22-000162)	323139.97N/0920608.71W	849	50	20	2C	1000					1900
TERRAIN	322545.00N/0921330.00W	226 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM
4.79 NM AFTER BAIYU OM/MLU 5.13 DME **TO**
MLU VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
250

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (22-000162)	323139.97N/0920608.71W	849	50	20	2C	1000					1900
TERRAIN	322545.00N/0921330.00W	226 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
MLU

PROCEDURE NAME
ILS OR LOC RWY 22

AMDT NO.
5

CITY
MONROE

STATE
LA

AIRPORT ELEVATION
79

FACILITY
I-MZR

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

MLU TOWER, MLU APP CON, ZFW ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	MLU	24	MLU		Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	BQP	24	BQP	16.73	Y	51

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KMLU 79, KBQP 168
RA = 50.8.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-MZR	MLU ATCT	TOWER OPEN TOWER CLOSED	1 3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW14 - REIL, MIRL (PCL), PAPI-4L	NPI-G	
RW32 - REIL, MIRL (PCL), PAPI-4L	NPI-G	
RW04 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH
RW22 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	74.5	54.1	73.4	1017	3.00	50.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 14
20:1	
176 TREE (22-024708) 323116.91N/0920242.28W (5.06)	158 TREE (22-024154) 323114.21N/0920240.01W (3.76)
158 TREE (22-024723) 323115.21N/0920239.27W (1.92)	171 TREE (22-043083) 323116.58N/0920242.54W (0.62)
153 TREE (22-043066) 323111.49N/0920243.35W (0.1)	



PENETRATIONS REMARKS:

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.

VDP NOT ESTABLISHED - VDP LOCATED WITHIN 0.5 NM FROM FINAL FIX, UNSUITABLE DME.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BQP ALTIMETER SETTING AND INCREASE S-ILS 22 DA TO 329 FEET; INCREASE ALL MDAS 60 FEET AND S-LOC 22 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

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	3.05
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.88
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	225.04
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	FACILITY	TO 1500FT POINT	4.62
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	1.22
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	225.04
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)	323106.34N/0920142.34W
ARP COORDINATES	323038.00N/0920210.08W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 4 DISTANCE 0.63 NM
FAF COORDINATES	323429.79N/0915741.65W
FIX NAME COORDINATES	IF GAURS 323926.84N/0915149.41W

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JAMIE KUNKLER	AJV-A432	07/02/2025	AERONAUTICAL INFORMATION SPECIALIST

