

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MBL VOR/DME	JEPOT LOM/MBL VOR/DME 4.79 DME	094.87 / 4.79	2500	ILS: DA LOC: 3.92 MILES AFTER JEPOT LOM/MBL VOR/DME 4.79 DME OR AT MBL 0.88 DME FIX CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 2500 DIRECT MBL VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2500, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1600, THEN CLIMBING RIGHT TURN TO 2500 DIRECT JEPOT LOM AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD E, RT, 277.44 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E JEPOT LOM/MBL VOR/DME 4.79 DME, RT, 277.44 INBOUND. CHART FAS OBST: 735 TREE 441618N/0861252W CHART MBL R-057 AT CEMOB. CHART MBL R-156 AT FARUB. CHART MBL R-177 AT FOXEX. CHART IN PLANVIEW: JEPOT LOM/MBL VOR/DME 4.79 DME.
CEMOB/MBL VOR/DME 12.00 DME CW (IAF)	JANUP/MBL VOR/DME 12.00 DME (NOPT)	12.00 DME ARC (MBL LR-085)	2800	
FARUB/MBL VOR/DME 12.00 DME CCW (IAF)	JANUP/MBL VOR/DME 12.00 DME (NOPT)	12.00 DME ARC (MBL LR-107)	2800	
FOXEX/MBL VOR/DME 12.00 DME CCW (IAF)	JANUP/MBL VOR/DME 12.00 DME (NOPT)	12.00 DME ARC (MBL LR-107)	2800	
JANUP/MBL VOR/DME 12.00 DME (IF)	JEPOT LOM/MBL VOR/DME 4.79 DME	277.44 / 7.21 (I-MBL)	2000	

- | | |
|---|---|
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)
2. HOLD E JEPOT LOM, RT, 277.44 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: <u>277.44</u> FAF: JEPOT LOM/MBL VOR/DME 4.79 DME DIST FAF TO MAP: <u>3.92</u> THLD: <u>3.92</u>
4. MIN. ALT: JEPOT LOM 2000, FATEV/MBL VOR/DME 2.42 DME 1160*
5. DIST TO THLD FROM OM: <u>3.92</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>960</u>
6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>-</u> OM: <u>1934</u> MM: <u>-</u> IM: <u>-</u>
7. GS ANGLE: <u>3.00</u> TCH: <u>50.2</u>
8. MSA FROM: MBL VOR/DME 040-135 3600, 135-040 2500 | MAG VAR: 6W EPOCH YEAR: 2015 |
|---|---|

MINIMUMS

TAKEOFF:	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
S-ILS 28	821	1/2	200	821	1/2	200	821	1/2	200	821	1/2	200			
S-LOC 28	1160	1/2	539	1160	1/2	539	1160	1	539	1160	1	539			
CIRCLING	1160	1	539	1160	1	539	1200	1 1/2	579	1300	2 1/4	679			
FATEV FIX MINIMUMS															
S-LOC 28	1000	1/2	379	1000	1/2	379	1000	5/8	379	1000	5/8	379			
CIRCLING	1120	1	499	1160	1	539	1200	1 1/2	579	1300	2 1/4	679			

NOTES:
 CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
 *LOC ONLY
 *1220 WHEN USING LUDINGTON ALTIMETER SETTING.
 (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 621 THRE: 621	FACILITY IDENTIFIER: I-MBL	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28, AMDT 1A 29 MAY 2014	SUP. ILS OR LOC RWY 27
MANISTEE, MI	AIRPORT NAME: MANISTEE CO.-BLACKER			AMDT: 1
				DATED 05/02/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR 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 NOTE: NIGHT LANDING: RWY 1/19 NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LUDINGTON ALTIMETER SETTING AND INCREASE ALL DA 50 FEET AND ALL MDA 60 FEET; INCREASE S-LOC 28 CAT C/D VISIBILITY 1/4 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE. FATEV FIX MINIMUMS: INCREASE S-LOC 28 CAT C/D VISIBILITY 1/8 MILE AND CIRCLING CAT C 1/4 MILE.

CITY AND STATE

MANISTEE, MI

ELEVATION: 621 THRE: 621

AIRPORT NAME:

MANISTEE CO.-BLACKER

FACILITY IDENTIFIER:

I-MBL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 28, AMDT 1A
 29 MAY 2014

SUP: ILS OR LOC RWY 27

AMDT: 1

DATED: 05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMBLK5GRW28 0055012774 N44162080W086140182-0100 +0154400621000050100IIMBL1

1 2 3 4 5 6 7 8 9 0 1 2 3
ILS 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMBLK5IIMBL1 010835RW28 N44162241W0861531232774N44161707W0861415151007 09600600300W00605000618

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMBLK5SMBL K5D 0 2203150362531522002525 M

1 2 3 4 5 6 7 8 9 0 1 2 3
NAVAID 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAPNKMBLK5 MB K5002540HOLW N44161471W086083391 W0060 NARJEPOT



CITY AND STATE
MANISTEE, MI

ELEVATION: 621 THRE: 621
AIRPORT NAME:
MANISTEE CO.-BLACKER

FACILITY IDENTIFIER:
I-MBL

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 28, AMDT 1A
29 MAY 2014

SUP: ILS OR LOC RWY 27
AMDT: 1
DATED: 05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CEMOB	CEMOB	010	IAF	IF		FB					
	CEMOB	JANUP	020		AF	R	FB		056.5 ()		AA 02800	
	FARUB	FARUB	010	IAF	IF		FB					
	FARUB	JANUP	020		AF	L	FB		155.6 ()		AA 02800	
	FOXEX	FOXEX	010	IAF	IF		FB					
	FOXEX	FARUB	020		AF	L	FB		176.9 ()		AA 02800	
	FOXEX	JANUP	030		AF	L	FB		155.6 ()		AA 02800	
	MBL	MBL	010		IF		FB					
	MBL	MB	020		TF		FO				AA 02500	
	MBL	MB	030	IAF	HF	R	FO		277.4 ()	T01.0	AA 02300	
		JANUP	010	FACF	IF		FB				AA 02800	GI 02000
		JEPOT	020	FAF	CF		FB		277.0 ()	007.2	GI 02000	GS 01934
		RW28	030	MAP	CF		FO		277.0 ()	003.9	AT 00672	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		277.4 ()		AA 01600	
	MBL	050		DF	R	FO				AA 02500	
	MBL	060		HM	R	FO		277.4 ()	T01.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBL	N441614.31	W0861514.56	N4416.239	W08615.243
	CEMOB	N442341.68	W0860208.56	N4423.695	W08602.143
	FARUB	N440546.60	W0860704.39	N4405.777	W08607.073
	FOXEX	N440421.48	W0861253.49	N4404.358	W08612.892
	JANUP	N441602.97	W0855832.74	N4416.050	W08558.546
	JEPOT	N441614.81	W0860834.56	N4416.247	W08608.576
	RW28	N441620.80	W0861401.82	N4416.347	W08614.030
	IMBL (LOC)	N441622.41	W0861531.23	N4416.374	W08615.521
	MB	N441614.71	W0860833.91	N4416.245	W08608.565

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00621	50



CITY AND STATE MANISTEE, MI	ELEVATION: 621	THRE: 621	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 27
	AIRPORT NAME: MANISTEE CO.-BLACKER		I-MBL	ILS OR LOC RWY 28, AMDT 1A 29 MAY 2014	AMDT: 1
					DATED: 05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

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 SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CEMOB	CEMOB	010	IAF	IF		FB					
	CEMOB	JANUP	020		AF	R	FB		056.5 ()		AA 02800	
	FARUB	FARUB	010	IAF	IF		FB					
	FARUB	JANUP	020		AF	L	FB		155.6 ()		AA 02800	
	FOXEX	FOXEX	010	IAF	IF		FB					
	FOXEX	FARUB	020		AF	L	FB		176.9 ()		AA 02800	
	FOXEX	JANUP	030		AF	L	FB		155.6 ()		AA 02800	
	MBL	MBL	010		IF		FB					
	MBL	MB	020		TF		FO				AA 02500	
	MBL	MB	030	IAF	HF	R	FO		277.4 ()	T01.0	AA 02300	
		JANUP	010	FACF	IF		FB				AA 02800	
		JEPOT	020	FAF	CF		FB		277.0 ()	007.2	AA 02000	
		FATEV	021	SDF	CF		FB		277.0 ()	002.4	AA 01160	
		RW28	030	MAP	CF		FO		277.0 ()	001.6	AT 00672	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		277.4 ()		AA 01600	
	MBL	050		DF	R	FO				AA 02500	
	MBL	060		HM	R	FO		277.4 ()	T01.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBL	N441614.31	W0861514.56	N4416.239	W08615.243
	CEMOB	N442341.68	W0860208.56	N4423.695	W08602.143
	FARUB	N440546.60	W0860704.39	N4405.777	W08607.073
	FOXEX	N440421.48	W0861253.49	N4404.358	W08612.892
	FATEV	N441618.44	W0861152.42	N4416.307	W08611.874
	JANUP	N441602.97	W0855832.74	N4416.050	W08558.546
	JEPOT	N441614.81	W0860834.56	N4416.247	W08608.576
	RW28	N441620.80	W0861401.82	N4416.347	W08614.030
	IMBL (LOC)	N441622.41	W0861531.23	N4416.374	W08615.521
	MB	N441614.71	W0860833.91	N4416.245	W08608.565

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00621	50

CITY AND STATE MANISTEE, MI	ELEVATION: 621	THRE: 621	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 27
	AIRPORT NAME: MANISTEE CO.-BLACKER		I-MBL	ILS OR LOC RWY 28, AMDT 1A	AMDT: 1
				29 MAY 2014	DATED: 05/02/2013