

**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> KBTL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 23R	<u>ORIGINAL/AMENDMENT</u> 20	<u>CITY</u> BATTLE CREEK	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 952	<u>TDZE</u> 929	<u>SUPERSEDED</u> ILS OR LOC RWY 23R	<u>ORIGINAL/AMENDMENT</u> 19B	<u>DATED</u> 09/10/2020	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> I-BTL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<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>
TEEDO/RADAR	IF	BATOL LOM					226.61	6.10 (I-BTL)	2200

MISSED APPROACH

MAP:

ILS: DA
LOC: 3.74 NM AFTER BATOL LOM

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT VVTEN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	L	SIDE OF COURSE	046.61	OUTBOUND	2600	FT WITHIN	10	MILES OF	BATOL LOM (IAF)
2.									
3. FAC:	226.61	FAF: BATOL LOM				DIST FAF TO MAP: 3.74		DIST FAF TO THLD: 3.74	
4. MIN ALT:	BATOL LOM 2200								
5. DIST TO THLD FROM OM:	MM:		IM:		150 HAT:	GS ANT: 944			
6. MIN GS INCPT:	2200	GS ALT AT PFAF :				OM: 2172		MM:	
7. GP ANGLE:	2.98	34:1:		20:1:		TCH:	49.4		
8. MSA FROM:	BT LOM 3000								

EQUIPMENT REQUIREMENTS NOTES:

ADF REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY.
RNP APCH - GPS.



NOTES:

CHART NOTE: CIRCLING NA TO RWYS 05R AND 23L.

CHART NOTE: CIRCLING RWY 31 NA AT NIGHT.

CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING GRAND RAPIDS ALTIMETER SETTING).

CHART NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 23R CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 189.53 INBOUND.

FAS OBST: 1140 AAO 422115N/0851049W.

CHART: ASR.

CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA

ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., 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 23R*	1129	2400	200	1129	2400	200	1129	2400	200	1129	2400	200			
S-LOC 23R	1400	2400	471	1400	2400	471	1400	5000	471	1400	5000	471			
CIRCLING	1420	1	468	1480	1	528	1520	1 1/2	568	1520	2	568			

CHANGES - REASONS

1. CHANGES FROM P-NOTAMS FDC 0/5805 AND FDC 8/3215 INCORPORATED INTO FORM, EXCEPT DME REQUIRED - 8260.191 8-3-4C(3), DME NO LONGER REQUIRED BECAUSE PRIMARY MISSED CHANGED.
2. ADDED INTERMEDIATE SEGMENT TO TERMINAL ROUTES - FPT/ATC REQUEST TO REPLACE PT CNF (CFVNZ) WITH A NAMED FIX (TEEDO) REQUIRED THE CREATION OF AN INTERMEDIATE SEGMENT FOR CODING.
3. PROFILE VIEW: LINE 3 CHANGED FAF FROM BATOL LOM/INT TO BATOL LOM - FIX BATOL LOM IS NO LONGER AN INTERSECTION WITH REMOVAL OF FACILITY LITCHFIELD (LFD) DUE TO VORMON DECOMMISSIONING WITH ESTIMATED CHART DATE OF 5/19/2022.
4. PROFILE VIEW LINE 4 MIN ALT: CHANGED FROM BATOL LOM/INT 2200 TO BATOL LOM 2200 - FIX BATOL LOM NO LONGER AN INTERSECTION.
5. CHANGED MISSED APPROACH MAP FROM LOC: 3.74 NM AFTER BATOL LOM/INT TO LOC: 3.74 NM AFTER BATOL LOM - FIX BATOL LOM NO LONGER AN INTERSECTION.
6. CHANGED MISSED APPROACH INSTRUCTION FROM CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 215 AND AZO VOR/DME R-090 TO LEROY/AZO 9.42 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000 TO CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT VVTEN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000 - VORMON DECOMMISSIONING AND PRIMARY MISSED APPROACH CHANGED TO RNAV MISSED APPROACH PARAMETERS AT VVTEN ADDED PER FPT.
7. REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS - PER FPT AND PRIMARY MISSED NOW RNAV.
8. ADDED "RNP APCH - GPS" TO EQUIPMENT REQUIREMENT NOTES - GPS REQUIRED FOR MISSED APPROACH, 8260.191 8-6-8B(1).
9. ADDED ADF REQUIRED TO EQUIPMENT REQUIREMENT NOTES - FAF IS AN LOM, 8260.191 A(2)(B).
10. NOTES: CHANGED CHART NOTE FROM RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING GRAND RAPIDS ALTIMETER SETTING) TO * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING GRAND RAPIDS ALTIMETER SETTING) AND ADDED * TO THE S-ILS 23R LINE OF MINS (CHANGED TO S-ILS 23R*) - 8260.191 8-6-11 K(1).
11. ADDITIONAL FLIGHT DATA: REMOVED 7:1 OBSTACLE 1170 AAO 422115N/0851049W - NEW EVALUATION.
12. ADDITIONAL FLIGHT DATA: REMOVED CHART PLANVIEW: (CFVNZ) AT 422611.60N/0850527.74W - CNF FIX REPLACED BY FIX TEEDO PER FPT.
13. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING: INCREASE DA TO 1236 FEET AND INCREASE ALL MDA 120 FEET. INCREASE S-LOC 23R CATS C/D VISIBILITY TO 1 1/4 SM, CIRCLING CAT C VISIBILITY TO 2 SM AND CAT D VISIBILITY TO 2 1/4 SM - UPDATED AND MOVED TO -9 AS CONTINGENCY NOTE.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, AZO APP CON, BTL ATCT, AMGR

FLIGHT CHECKED BY

BRIAN P CARSON

Digitally signed by

JASON KRETSCHMER

Feb 08, 2022

OFFICE

FPO

DATE

01/28/2022

DEVELOPED BY

JASON KRETSCHMER (RAYMOND JOHNSON)

Digitally signed by

JASON KRETSCHMER

Jan 06, 2022

OFFICE

AJV-A421

DATE

09/22/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Jan 06, 2022

OFFICE

AJV-A420

DATE

TITLE
MANAGER