

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> KBUF	<u>PROCEDURE NAME</u> ILS OR LOC RWY 23 ILS RWY 23 (SA CAT I)	<u>ORIGINAL/AMENDMENT</u> 34	<u>CITY</u> BUFFALO	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 727	<u>TDZE</u> 726	<u>SUPERSEDED</u> ILS OR LOC RWY 23 ILS RWY 23 (SA CAT I)	<u>ORIGINAL/AMENDMENT</u> 33	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-BUF	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<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>
GEE VOR/DME		CORVU INT/GEE 26.50 DME					302.60	26.50	6000
CORVU INT/GEE 26.50 DME	IAF	AKUYI/GEE 36.28 DME	NOPT				302.60	9.78 (GEE R-303)	4000
AKUYI/GEE 36.28 DME		TRAVA INT/GEE 38.48 DME					302.60	2.20 (GEE R-303)	4000
TRAVA INT/GEE 38.48 DME	IF/IAF	KLUMP LOM					234.95	7.35 (I-BUF)	2300

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.43 NM AFTER KLUMP LOM

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT WABUS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE TRAVA, RT, 234.95 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 10000.
- FAC: 234.95 FAF: KLUMP LOM DIST FAF TO MAP: 4.43 DIST FAF TO THLD: 4.43
- MIN ALT: TRAVA INT/GEE 38.48 DME 4000, KLUMP LOM 2300
- DIST TO THLD FROM OM: 4.43 MM: IM: 150 HAT: 154 HAT: 1965 GS ANT: 1000
- MIN GS INCPT: 2300 GS ALT AT FAF : OM: 2187 MM: IM:
- GP ANGLE: 3.00 34:1: 20:1: TCH: 51.1
- MSA FROM: BU LOM 090-270 3900, 270-090 2800

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
RNP APCH - GPS.
ADF REQUIRED FOR LOC ONLY.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23: CAT A, B, C, D, RA 194, RVR 1400, HAT 154, DA 880 MSL.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GEE VOR/DME AIRWAY RADIAL R-314.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 23 CATS C AND D VISIBILITY TO RVR 6000.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 054.81 INBOUND.
CHART FAS OBST: 871 TOWER (36-159685) 425829N/0784131W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 23	926	1800	200	926	1800	200	926	1800	200	926	1800	200			
S-LOC 23	1140	2400	414	1140	2400	414	1140	4000	414	1140	4000	414			
CIRCLING	1200	1	473	1200	1	473	1220	1 1/2	493	1340	2	613			

CHANGES - REASONS

1. ALL INSTANCES OF "KLUMP LOM/INT" CHANGED TO "KLUMP LOM" - BUF VOR/DME BEING DECOMMISSIONED, GEE VOR/DME CROSSING RADIAL DOES NOT MEET FIX DISPLACEMENT CRITERIA.
2. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 2300 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 300 AND BUF VOR/DME R-267 TO DAVVK INT/BUF VOR/DME 23.09 DME AND HOLD" TO "CLIMB TO 3000 DIRECT WABUS AND HOLD" - BUF VOR/DME BEING DECOMMISSIONED.
3. GS ALT AT OM CHANGED FROM 2205 TO 2187 IN LINE 6 - TARGETS CALCULATION.
4. ADDED "RNP APCH - GPS" AND "ADF REQUIRED FOR LOC ONLY" AND "DME REQUIRED" TO EQUIPMENT REQUIREMENTS NOTES - NEW MISSED APPROACH REQUIRES GPS, 8260.19I 8-6-8.C(2) (A), KLUMP LOM NO LONGER AN INT FIX, NEW FIX AKUYI REQUIRES DME.
5. CHANGED "FAS OBST: 879 AAO 425910N/0783951W" TO "CHART FAS OBST: 871 TOWER (36-159685) 425829N/0784131W" IN ADDITIONAL FLIGHT DATA - NEW S-LOC 23 CONTROLLING OBSTACLE.
6. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GEE VOR/DME AIRWAY RADIAL R-314" - 8260.19I 8-2-5.E.
7. CHANGED "SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH" TO "SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL" - 8260.19I 8-6-11.M(1).
8. CHANGED "HOLD W, RT, 087.00 INBOUND" TO "HOLD SW, RT, 054.81 INBOUND" IN ADDITIONAL FLIGHT DATA - NEW MISSED APPROACH CLEARANCE LIMIT, ATC REQUEST.
9. ADDED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 23 CATS C AND D VISIBILITY TO RVR 6000" - 8260.19I 8-6-11.O(3)(D).
10. ADDED INITIAL STEPDOWN FIX AKUYI/GEE 36.28 DME FROM CORVU INT/GEE 26.50 DME IN TERMINAL ROUTES - PREVENTS THE NEED FOR A PROCEDURE TURN IAW 8260.19I 7-5-2.B(3).

AIRPORT ID
KBUF

PROCEDURE NAME
ILS OR LOC RWY 23
ILS RWY 23 (SA CAT I)

ORIGINAL/AMENDMENT
34

CITY
BUFFALO

STATE
NY

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOB, BUF APP CON, AMGR, NY DOT, ATA

FLIGHT CHECKED BY

JORGE A MALCUN

Digitally signed by

MARK D ADAMS

Sep 20, 2021

OFFICE

FPO

DATE

09/16/2021

DEVELOPED BY

ANTHONY CAPPABIANCO

Digitally signed by

ANTHONY J CAPPABIANCO

Aug 05, 2021

OFFICE

AJV-A411

DATE

06/21/2021

APPROVED BY

JULIE MORGAN

Digitally signed by

MARK D ADAMS

Sep 20, 2021

OFFICE

AJV-A410

DATE

TITLE
MANAGER