

**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> KBKX	<u>PROCEDURE NAME</u> ILS OR LOC RWY 12	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> BROOKINGS	<u>STATE</u> SD	
<u>AIRPORT ELEVATION</u> 1648	<u>TDZE</u> 1621	<u>SUPERSEDED</u> ILS OR LOC RWY 12	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 02/25/2021	<u>MAG VAR</u> 3E
<u>FACILITY</u> I-BKX	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
VOLGA INT/FSD 32.00 DME		BK NDB					351.18	10.94	3600
ASTOE		BK NDB		TF	FB	1.00	240.50	14.85	3600
GOLDS/I-BKX 20.29 DME/RADAR	IAF	UTQOH/I-BKX 13.12 DME	NOPT				115.51	7.16 (I-BKX)	3600
UTQOH/I-BKX 13.12 DME	IF	CHRLZ NDB/I-BKX 7.02 DME	FAF				115.51	6.10 (I-BKX)	3600

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.85 NM AFTER CHRLZ NDB/I-BKX 7.02 DME OR AT I-BKX 1.17 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2100 THEN CLIMBING RIGHT TURN TO 3600 DIRECT BK NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2600 ON HEADING 116 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 225 FOR RADAR VECTORS TO VOLGA INT/FSD 32.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

PROFILE:

1. PT L SIDE OF COURSE 295.51 OUTBOUND 3600 FT WITHIN 10 MILES OF BK NDB (IAF)
- 2.
3. FAC: 115.51 FAF: CHRLZ NDB/I-BKX 7.02 DME DIST FAF TO MAP: 5.85 DIST FAF TO THLD: 5.85
4. MIN ALT: BK NDB 3600, CHRLZ NDB/I-BKX 7.02 DME 3600, WOXOM/I-BKX 2.77 DME 2140
5. DIST TO THLD FROM FAF: 5.85 MM: IM: 150 HAT: GS ANT: 850
6. MIN GS INCPT: 3600 GS ALT AT PFAF : CHRLZ NDB/I-BKX 7.02 DME 3545 OM: MM: IM:
7. GS ANGLE: 3.00 34:1: 20:1: TCH: 50.4
8. MSA FROM: BK NDB 3800



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
ADF REQUIRED.
FROM ASTOE: RNAV 1-GPS REQUIRED.

NOTES:

CHART NOTE: CIRCLING RWY 17 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VOLGA ON V181 SOUTHBOUND.
CHART NOTE: VDP NA WHEN USING PIPESTONE MUNI ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 12 CATS C/D VISIBILITY TO 1 3/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING WOXOM FIX MINIMUMS, INCREASE S-LOC 12 CAT C/D VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 115.51 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S VOLGA INT/FSD 32.00 DME, RT, 340.11 INBOUND.
CHART FAS OBST: 1707 TREE (46-028210) 441926N/0965127W.
CHART VDP AT 2.26 DME
DISTANCE VDP TO THLD 1.09 NM.
CHART IN PLANVIEW: VOLGA INT/FSD 32.00 DME.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA

<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 12	1821	1/2	200	1821	1/2	200	1821	1/2	200	1821	1/2	200			
S-LOC 12	2140	1/2	519	2140	1/2	519	2140	1	519	2140	1	519			
CIRCLING	2140	1	492	2160	1	512	2340	2	692	2340	2 1/4	692			
WOXOM FIX MINIMUMS															
S-LOC 12	2000	1/2	379	2000	1/2	379	2000	5/8	379	2000	5/8	379			
CIRCLING	2140	1	492	2160	1	512	2340	2	692	2340	2 1/4	692			

CHANGES - REASONS

1. MOVED NOTE: VDP NA WHEN USING PIPESTONE MUNI ALTIMETER SETTING FROM CONTINGENCY NOTES TO NOTES - IAW 8260.19I PARA 8-6-9.E(9).
2. ADDED NOTE DME REQUIRED - IAW 8260.19I PARA 8-6-8.A(2).
3. DELETED *LOC ONLY FROM ADDITIONAL FLIGHT DATA - IAW 8260.19I PARA 8-6-10M.
4. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CHART VDP AT 2.26 DME* TO CHART VDP AT 2.26 DME - IAW 8260.19I PARA 8-6-10.M
5. ADDED OBSTACLE ID NUMBER TO FAS OBSTACLE IN ADDITIONAL FLIGHT DATA - IAW 8260.19I PARA 8-6-10.C.
6. REMOVED *** FROM SDF MINIMUM ALTITUDE 2140 ON PROFILE LINE 4 AND CHART VDP NOTE IN ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED IAW 8260.19I PARA 1-1-5.F(12).



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMP, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
ALLAN WILL
Aug 10, 2022

DEVELOPED BY

WILLIAM D. MELTON

Digitally signed by
WILLIAM D MELTON

OFFICE

AJV-A423

DATE

04/28/2022

APPROVED BY

MARLON ROBINSON

Jul 27, 2022

OFFICE

AJV-A420

DATE

Digitally signed by
ALLAN WILL
Aug 10, 2022

TITLE
MANAGER

