

**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</u> BRADFORD RGNL	<u>AIRPORT ID</u> BFD	<u>PROCEDURE NAME</u> ILS OR LOC RWY 32	<u>ORIGINAL/AMENDMENT</u> 13	<u>CITY</u> BRADFORD	<u>STATE</u> PA	
<u>AIRPORT ELEVATION</u> 2143	<u>TDZE</u> 2120	<u>SUPERSEDED</u> ILS OR LOC RWY 32	<u>ORIGINAL/AMENDMENT</u> 12C	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-BFD	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<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>
SLT VORTAC		IXUTE/BFD 12.76 DME					298.99	21.38	4200
IXUTE/BFD 12.76 DME	IAF	FEGLI/BFD 7.80 DME					324.87	4.96 (I-BFD)	4000
FEGLI/BFD 7.80 DME	IF	BRAFO OM/BFD 2.80 DME					324.87	5.00 (I-BFD)	3500

MISSED APPROACH

MAP:

ILS: DA
LOC: 3.67 NM AFTER BRAFO OM/BFD 2.80 DME OR AT BFD 0.87 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 4500 ON HEADING 310 AND ON JHW VOR/DME R-146 TO KONBE/JHW 20.22 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT IXUTE
3. FAF: 324.87 FAF: BRAFO OM/BFD 2.80 DME DIST FAF TO MAP: 3.67 DIST FAF TO THLD: 3.67
4. MIN ALT: IXUTE/BFD 12.76 DME 4200, FEGLI/BFD 7.80 DME 4000, BRAFO OM/BFD 2.80 DME 3500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 849
6. MIN GS INCPT: 3500 GS ALT AT FAF : GP INTCP 3500 OM: 3333 MM: IM:
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 52.1
8. MSA FROM: KBFD 3800

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.



NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 32 AND S-LOC 32 CATS A AND B.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 32 CAT C/D VISIBILITY TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 145.77 INBOUND.
CHART FAS OBST: 2204 TREE 414727N/0783741W.
2420 AAO 414508N/0783346W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA



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 32	2370	1	250	2370	1	250	2370	1	250	2370	1	250			
S-LOC 32	2480	1	360	2480	1	360	2480	1	360	2480	1	360			
CIRCLING	2600	1	457	2620	1	477	2720	1 1/2	577	2760	2	617			

CHANGES - REASONS

1. IXUTE (IAF) DISTANCE FROM BFD CHANGED FROM 12.80 DME TO 12.76 DME - RELOCATED FIX 220.20 FEET NORTHWEST DUE TO DIVERGENCE ANGLE REQUIREMENTS.
2. FEEDER FROM SLT VORTAC TO IXUTE COURSE/DISTANCE CHANGED FROM 298.95/21.34 TO 298.99/21.38 - IXUTE MOVED 220.20 FEET NORTHWEST.
3. INITIAL SEGMENT FROM IXUTE TO FEGLI DISTANCE CHANGED FROM 5.00 TO 4.96 - IXUTE MOVED 220.20 FEET NORTHWEST.
4. CHANGED MISSED APPROACH FROM CLIMB TO 4000 THEN RIGHT TURN DIRECT BFD VOR/DME AND HOLD, OR AS DIRECTED BY ATC TO CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 4500 ON HEADING 310 AND ON JHW VOR/DME R-146 TO KONBE/JHW 20.22 DME AND HOLD - BFD VOR/DME CONVERTED TO A DME FACILITY.
5. DELETED ALTERNATE MISSED APPROACH AND ASSOCIATED DATA - FPT/ATC REQUEST DUE TO OPERATIONS.
6. REMOVED PROCEDURE TURN AT BFD VOR/DME - BFD CONVERTED TO DME ONLY.
7. ADDED TO LINE 2 PROFILE STARTS AT IXUTE - PROCEDURE DOES NOT AUTHORIZE A PT OR A HOLD-IN-LIEU.
8. ADDED TO LINE 4 IXUTE/BFD 12.76 DME 4200, FEGLI/BFD 7.80 DME 4000 - IXUTE AND FEGLI ADDED TO PROFILE VIEW.
9. GLIDESLOPE ANT VALUE CHANGED FROM 848 TO 849 - UPDATED SURVEY DATA.
10. CHANGED MSA FROM BFD VOR/DME TO ARP (KBDF) - NO OMNI-DIRECTIONAL NAVAID AVAILABLE AND PER FPT REQUEST.
11. FAS OBST CHANGED FROM 2237 TREE TO 2204 TREE - UPDATED SURVEY.
12. ADDED TO ADDITIONAL FLIGHT DATA 2420 AAO 414508N/0783346W - NEW MAP STUDY AND 7:1 OBSTACLE.
13. CHANGED CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 32 CATS C/D VISIBILITY TO 1 1/8 MILE TO FOR INOPERATIVE ALS, INCREASE S-LOC 32 CAT C/D VISIBILITY TO 1 1/8 SM - CURRENT CRITERIA IAW 8260.19 PARA 8-6-11.
14. ADDED EQUIPMENT REQUIREMENTS NOTE DME REQUIRED - MISSED APPROACH REQUIRES DME.
15. REMOVE BACK-UP ALTIMETER NOTE AND ADDED IT TO THE -9 AS A CONTINGENCY NOTE - LOCAL WEATHER ON WMSCR.
16. DELETED FROM ADDITIONAL FLIGHT DATA CHART IN PLANVIEW: SLT VORTAC - DELETED ALTERNATE MISSED APPROACH.
17. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - APPLIED NEW CIRCLING CRITERIA IAW 8260.19 PARA 8-6-10 T.
18. CIRCLING CAT A MDA/HAA CHANGED FROM 2620/477 TO 2600/457, CAT C MDA/HAA CHANGED FROM 2620/477 TO 2720/577 AND CAT D FROM 2700/557 TO 2760/617 - NEW CIRCLING RADIUS AND NEW CONTROLLING OBSTACLES.
19. CHANGED LOC MISSED APPROACH POINT FROM 3.67 NM AFTER BRAFO OM/BFD 2.80 DME TO BFD 2.80 DME - DME REQUIRED. TIME/DISTANCE TABLE NOT NECESSARY.
20. DELETED DISTANCE FAF TO MAP 3.67 ON LINE 3 - DME REQUIRED. TIME/DISTANCE TABLE NOT NECESSARY.
21. DELETED DISTANCE TO THLD FROM OM 3.67 ON LINE 5 - PROCEDURE CONTAIN NONPRECISION MINIMA.
22. S-LOC 32 MDA/HAT CHANGED FROM 2520/400 TO 2480/360 ALL CATS - UPDATED SURVEY AND NEW CONTROLLING OBSTACLE.

07/08/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/02/20.

1. CHANGED LOC MAP FROM LOC: BFD 2.80 DME TO LOC: 3.67 NM AFTER BRAFO OM/BFD 2.80 DME OR AT BFD 0.87 DME.

2. ADDED FAF TO MAP DISTANCE: 3.67 TO LINE 3.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB, AMGR

Digitally signed by

FLIGHT CHECKED BY	DONALD H LANIER	OFFICE	DATE	
STEPHEN BAUER	Jul 21, 2020	FICO	07/14/2020	
DEVELOPED BY	FRANK JACKSON	OFFICE	DATE	
FRANK JACKSON JR	Jul 08, 2020	AJV-A431	06/02/2020	
APPROVED BY	DONALD H LANIER	OFFICE	DATE	TITLE
LONNIE EVERHART	Jul 21, 2020	AJV-A430		MANAGER

