

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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> BBW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> BROKEN BOW	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 2546	<u>TDZE</u> 2546	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>DATED</u> 11/08/2018	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 OCTOBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 8E <u>CANCEL/SUSPEND</u>

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 24-22.									
FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BONIL		IFFUL		TF	FB	1.00	290.13	36.81	4500
IFFUL	IAF	IMEQI		TF	FB	1.00	230.54	5.00	4500
BOKKI	IAF	IMEQI		TF	FB	1.00	126.44	6.75	4500
IMEQI	IF	HIDPA		TF	FB	1.00	140.48	6.12	3900
HIDPA	FAF	FEKUK/2.80 NM TO RW14		TF	FB	0.30	140.53	1.28	
FEKUK/2.80 NM TO RW14		RW14	MAP	TF	FO	0.30	140.53	2.80	
RW14	MAP	2801 MSL		CA			140.53		
2801 MSL		LUXXE		DF	FO	1.00			4300

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 4300 DIRECT LUXXE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. PROFILE STARTS AT IMEQI
3. FAC: 140.53
- FAF: HIDPA
- DIST FAF TO MAP: 4.08
- DIST FAF TO THLD: 4.08
4. MIN ALT: IMEQI 4500, HIDPA 3900, FEKUK/2.80 NM TO RW14 3480
5. DIST TO THLD FROM OM: MM: IM:
- 150 HAT: 255 HAT: 0.67
- GS ANT:
6. MIN GP INCPT: 3900
- GP ALT AT PFAF: HIDPA 3900
- OM: MM: IM:
7. GP ANGLE: 3.00
- 34:1: IS NOT CLEAR
- 20:1: IS CLEAR
- TCH: 40.0
8. MSA FROM: RW14 4500



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LBF ALTIMETER SETTING: INCREASE LPV DA TO 2947 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 3337 FEET AND ALL VISIBILITIES 5/8 SM; INCREASE ALL MDAS 160 FEET AND LNAV VISIBILITY CAT B 1/4 SM, AND CIRCLING VISIBILITY CAT B 1/4 SM.
CHART NOTE: BARO/VNAV AND VDP NA WHEN USING LBF ALTIMETER SETTING.
CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 320.57 INBOUND.
CHART FAS OBST: 2919 TREE 412837N/0994117W.
CHART VDP AT 1.85 NM TO RW14.
WAAS CHANNEL # 72609
REFERENCE PATH ID: W14A
LTP HAE: 753.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LPV DA	2801	1	255	2801	1	255		NA			NA				
LNAV/VNAV DA	3191	1 7/8	645	3191	1 7/8	645		NA			NA				
LNAV MDA	3180	1	634	3180	1	634		NA			NA				
CIRCLING	3180	1	634	3180	1	634		NA			NA				



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM FOR ORIG-A AND ORIG-B INTO FORM - IAW 8260.19I 8-3-4 C(3).
2. PROFILE LINE 4: REMOVED ASTERISK FROM "RWY 14 3480*" - NO LONGER REQUIRED.
3. PROFIILE LINE 7: UPDATED FROM "34:1 IS CLEAR" TO "34:1 IS NOT CLEAR" - 34:1 IS PENETRATED AND IAW 8260.19J 8-6-7.G.3.
4. PBN REQUIREMENTS NOTE: UPDATED "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19J 8-6-8.
5. NOTES: UPDATED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTH PLATTE RGNL ALTIMETER SETTING AND INCREASE ALL DA/MDA 160 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/2 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE, LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LBF ALTIMETER SETTING: INCREASE LPV DA TO 2947 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 3337 FEET AND ALL VISIBILITIES 5/8 SM; INCREASE ALL MDAS 160 FEET AND LNAV VISIBILITY CAT B 1/4 SM, AND CIRCLING VISIBILITY CAT B 1/4 SM" - IAW 8260.19J 8-6-12.N.
6. NOTES: UPDATED "CHART NOTE: VDP AND BARO/VNAV NA WHEN USING NORTH PLATTE RGNL ALTIMETER SETTING" TO "CHART NOTE: BARO/VNAV AND VDP NA WHEN USING LBF ALTIMETER SETTING" - IAW 8260.19J 8-6-10.E.8.
7. NOTES: REMOVED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT" - NEW SURVERY INFORMATION DATED 9/5/24. VGSI TCH CHANGED TO 40FT, NOW COINCIDENT WITH DESCENT ANGLE.
8. NOTES: REMOVED "LNAV ONLY" - NO LONGER REQUIRED.
9. ADDITIONAL FLIGHT DATA: UPDATED "CHART VDP AT 1.89 MILES TO RW14" TO "CHART VDP AT 1.85 NM TO RW14" - UPDATED AIRPORT SURVEY 04/25/2024.
10. ADDITIONAL FLIGHT DATA: ADDED "LTP HAE: 753.4 M" - IAW 8260.19J APPENDIX K.I.
11. ADDITIONAL FLIGHT DATA: MOVED AND UPDATED "DISTANCE TO THLD FROM 255 HAT: 0.68 NM" TO "255 HAT: 0.67" - MOVED TO PROFILE LINE 6 AND IAW 8260.19J 8-6-7.F.
12. ADDITIONAL FLIGHT DATA: REMOVED "FAS OBST 2849 TREE 412813N/0993940W" - IAW 8260.19J 8-6-11.C.
13. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS LAT/LONGS FROM "422837N/09941177W" TO "412837N/0994117W" - IAW 8260.19J 8-6-11.C.
14. MINIMUMS: UPDATED LNAV/VNAV VIS FROM "2 1/4" TO "1 7/8" - IAW 8260.3 TABLE 3-3-1.
15. MINIMUMS: UPDATED CIRCLING CAT A & B HAA FROM "643" TO "634" - UPDATED WITH T-NOTAM FDC 3/2731.
16. FAS DATA BLOCK INFORMATION: CRC REMAINDER UPDATED FROM "C5458E4E" TO "D46ADB16" - LTP/FTP LATITUDE/LONGITUDE UPDATED FROM "412628.9175N/0993846.1840W" TO "412628.9175N/0993846.1845W" AND FPAP LAT/LONG FROM "412512.8600N/0993744.4100W" TO "412512.8605N/0993744.3970W" AND LTP/FPAP ORTHOMETRIC HEIGHT FROM "+07762" TO "+07761" AND LTP/FTP ELLIPSOIDAL HEIGHT FROM "+07535" TO "+07534".

08/23/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 08/13/2024.

1. DELETED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT BONIL ON V172 EASTBOUND" - V172 REMOVED FROM BONIL 8260-2 FIX USE ON 06/15/2023.

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER: ZDV, ST. AV. DIR., AMGR

FLIGHT CHECKED BY

SHAWN DOUGLAS MAXWELL

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

OFFICE

FIOG

DATE

08/07/2024

DEVELOPED BY

ROBERT G HAMILTON (MATTHEW W.TOWNSEND)

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

OFFICE

AJV-A433

DATE

04/26/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

OFFICE

AJV-A433

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBBW
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	412628.9175N
LTP/FTP LONGITUDE	0993846.1845W
LTP/FTP ELLIPSOIDAL HEIGHT	+07534
FPAP LATITUDE	412512.8605N
FPAP LONGITUDE	0993744.3970W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D46ADB16

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07761
FPAP ORTHOMETRIC HEIGHT	+07761

