

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> KBED	<u>PROCEDURE NAME</u> RNAV (RNP) Y RWY 11	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BEDFORD	<u>STATE</u> MA		
<u>AIRPORT ELEVATION</u> 132	<u>TDZE</u> 132	<u>SUPERSEDED</u> RNAV (RNP) Y RWY 11	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 05/25/2017	<u>MAG VAR</u> 16W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 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>
FOVEG	IF	WIDKA		TF	FB	1.00	020.03	5.17	2000
WIDKA		URTOQ		RF	FB	1.00	(2.60 NM RADIUS CW (CFFGN))	2.94	1800
WANLA	IF	CESOL		TF	FB	1.00	084.58	6.37	1900
CESOL		URTOQ		TF	FB	1.00	084.67	3.35	1800
URTOQ		JOPVU		RF	FB	1.00	(4.00 NM RADIUS CW (CFFGP))	1.98	1800
BRONC		LOBBY		TF	FB	1.00	113.22	5.06	2300
LOBBY	IAF	ZELKA		TF	FB	1.00	118.67	2.55	2000
HIDRI	IAF	ZELKA		TF	FB	1.00	202.97	6.00	2000
ZELKA	IF	JOPVU		TF	FB	1.00	112.96	6.24	1800
LWRNC	IAF	OMIXY		TF	FB	1.00	250.10	7.74	2000
OMIXY		ZARAB		TF	FB	1.00	250.62	5.04	2000
ZARAB	IF	ILEXE		TF	FB	1.00	250.56	6.00	2000
ILEXE		JOPVU		RF	FB	1.00	(2.51 NM RADIUS CCW (CFFGM))	6.02	1800
JOPVU	PFAF	RW11	MAP	TF	FO	0.30	113.05	5.08	
RW11	MAP	1000 MSL		CA			113.05		1000
1000 MSL		ZIMOT		DF	FO	1.00			2000



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT ZIMOT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT JOPVU					
3. FAC:	113.05	FAF: URTOQ	DIST FAF TO MAP:	DIST FAF TO THLD:	
4. MIN ALT:	JOPVU 1800				
5. DIST TO THLD FROM OM:	5.08	MM:	IM:	150 HAT:	402 HAT: 1.10
GS ANT:					
6. MIN GP INCPT:	1800	GP ALT AT FAF :	JOPVU 1800	OM:	MM:
IM:					
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH:	50.3
8. MSA FROM: RW11 3400					

PBN REQUIREMENTS NOTE:

RNP AR APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRONC ON V431 WESTBOUND.
CHART PLANVIEW NOTE ADJACENT TO LWRNC IAF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO WANLA: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO FOVEG: RF REQUIRED.
CHART PLANVIEW NOTE AT FOVEG: MAX 210 KIAS.
CHART PLANVIEW NOTE AT WANLA: MAX 210 KIAS.
CHART PLANVIEW NOTE AT HIDRI: MAX 210 KIAS.
CHART PLANVIEW NOTE AT ZARAB: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 223.97 INBOUND.
CHART R-4102 A/B.



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	534	4500	402	534	4500	402	534	4500	402	534	4500	402			

CHANGES - REASONS

1. REMOVED ALL REFERENCES TO LWM VOR/DME AND REPLACED WITH LWRNC WP. - LWM VOR/DME DECOMMISSIONED.
2. REMOVED NOTE GPS REQUIRED. - NOTE NO LONGER REQUIRED.
3. REMOVED ROUTE TYPE QUALIFIERS FROM ADDITIONAL FLIGHT DATA. - TYPE QUALIFIERS NO LONGER REQUIRED.
4. ADDED PBN EQUIPMENT REQUIREMENT NOTE "RNP AR APCH". - ADDED IAW 8260.58A CHNG 2 TABLE 1-2-1.
5. DISTANCE FROM HIDRI TO ZELKA CHANGED FROM 5.25 TO 6.00. - HIDRI MOVED 4556.90 FT NORTHEAST.
6. UNCOMPENSATED BARO-VNAV AVERAGE COLD TEMP UPDATED FROM -16 TO -19. - UPDATED 5-YEAR AVERAGE COLD TEMP UTILIZED.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, BOS APP CON, BED ATCT, BED AMGR

Digitally signed by

FLIGHT CHECKED BY

JEREMY R VIRTIS

DONALD H LANIER

Dec 17, 2020

OFFICE

FICO

DATE

12/16/2020

DEVELOPED BY

NICHOLAS K. JACKSON

Digitally signed by

NICHOLAS JACKSON

Oct 26, 2020

OFFICE

AJV-A431

DATE

06/09/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Dec 17, 2020

OFFICE

AJV-A430

DATE

TITLE
MANAGER

