

**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</u> GREATER BINGHAMTON/EDWIN A LINK FIELD	<u>AIRPORT ID</u> KBGM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BINGHAMTON	<u>STATE</u> NY	
<u>AIRPORT ELEVATION</u> 1636	<u>TDZE</u> 1591	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
CFB VOR/DME		HOXAG		TF	FO	1.00	313.69	4.24	3900
VILCU	IAF	HOXAG	NOPT	TF	FB	1.00	131.75	21.40	3900
HOXAG	IF/IAF	JEKID		TF	FB	1.00	098.42	5.01	3300
JEKID	FAF	RW10	MAP	TF	FO	0.30	098.47	5.20	
RW10	MAP	1841 MSL		CA			098.47		
1841 MSL		IPIPE		DF	FO	1.00			4200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4200 DIRECT IPIPE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD W HOXAG, RT, 098.42 INBOUND, 3900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 098.47 FAF: JEKID DIST FAF TO MAP: 5.20 DIST FAF TO THLD: 5.20
4. MIN ALT: HOXAG 3900, JEKID 3300
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.62 GS ANT: MM: IM:
6. MIN GP INCPT: 3300 GP ALT AT FAF : JEKID 3300 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 53.4
8. MSA FROM: RW10 3700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CFB VOR/DME AIRWAY RADIALS 275 CW 015.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
CHART VDP AT 1.18 NM TO RW10*
*LNAV ONLY
WAAS CHANNEL #93820
REFERENCE PATH ID: W10A
CHART FAS OBST: 1756 TREE 421158N/0755909W.
HOLD E, RT, 278.76 INBOUND
LTP HAE: 452.4 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	1841	3/4	250	1841	3/4	250	1841	3/4	250	1841	3/4	250			
LNAV/VNAV DA	1937	1	346	1937	1	346	1937	1	346	1937	1	346			
LNAV MDA	2020	1	429	2020	1	429	2020	1 1/4	429	2020	1 1/4	429			
CIRCLING	2120	1	484	2120	1	484	2120	1 1/2	484	2200	2	564			



CHANGES - REASONS

1. TERMINAL ROUTES, HOXAG TO JEKID, COURSE CHANGED FROM 098.41 TO 098.42 - PFAF MOVED WITH UPDATED TARGETS EVALUATION.
2. TERMINAL ROUTES, JEKID TO RW10 (MAP), COURSE CHANGED FROM 098.48 TO 098.47 - PFAF MOVED WITH UPDATED TARGETS EVALUATION, COORDINATES BASED ON 8260.58A PFAF FORMULA.
3. TERMINAL ROUTES, RW10 (MAP) TO 1791 MSL CHANGED TO RW10 (MAP) TO 1841 MSL, COURSE CHANGED FROM 098.48 TO 098.47 - NEW CONTROLLING OBSTACLE, CA ALTITUDE MUST BE THE LOWEST OF DA, MDA OR 400 ABOVE AIRPORT ELEVATION; PFAF MOVED WITH UPDATED TARGETS EVALUATION, COORDINATES BASED ON 8260.58A PFAF FORMULA.
4. TERMINAL ROUTES, 1791 MSL TO IPIPE CHANGED TO 1841 MSL TO IPIPE - NEW CONTROLLING OBSTACLE, CA ALTITUDE MUST BE THE LOWEST OF DA, MDA OR 400 ABOVE AIRPORT ELEVATION.
5. PROFILE LINE 2, HIL COURSE CHANGED FROM 098.41 TO 098.42 - TO MATCH INTERMEDIATE COURSE 098.42.
6. PROFILE LINE 3, FAC CHANGED FROM 098.48 TO 098.47 - PFAF MOVED WITH UPDATED TARGETS EVALUATION.
7. PROFILE LINE 5, DISTANCE TO THLD FROM 250 HAT: .62NM ADDED - IAW 8260.19H 8-6-7E(3).
8. PROFILE LINE 7, 20:1 IS CLEAR ADDED - IAW 8260.19H PARA 8-6-7G(3).
9. PROFILE LINE 8, MSA ALT CHANGED FROM 3600 TO 3700 - NEW CONTROLLING OBSTACLE.
10. NOTE DELETED: DME/DME RNP-0.3 NA - NOTE REPLACED WITH NEW PBN EQUIPMENT REQUIREMENT NOTE.
11. PBN REQUIREMENTS NOTE ADDED: RNP APCH - PER MEMO 257.
12. FAHRENHEIT TEMPS DELETED FROM NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 33C (91F) - PER 8260.19H 8-6-9S.
13. CRITICAL LOW BARO-VNAV TEMPERATURE CHANGED FROM -18C TO -21C - 5 YEAR TEMPERATURE HISTORY USED.
14. CRITICAL HIGH BARO-VNAV TEMPERATURE CHANGED FROM 33C TO 54C - PER UPDATED TARGETS EVALUATION.
15. PLANVIEW NOTE DELETED: PROCEDURE NA FOR ARRIVALS AT VILCU ON V428 SOUTHWEST BOUND - DECOMMISSIONING OF ITHACA (ITH) VOR/DME.
16. PLANVIEW NOTE CHANGED FROM 'PROCEDURE NA FOR ARRIVAL ON CFB VORTAC AIRWAY RADIALS 275 CW 015' TO PROCEDURE NA FOR ARRIVAL ON CFB VOR/DME AIRWAY RADIALS 275 CW 015' - PER CFB TACR CONVERSION.
17. NOTE DELETED: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ITHACA ALTIMETER SETTING AND INCREASE ALL DA 138 FEET AND ALL MDA 140 FEET; INCREASE LPV ALL CATS AND LNAV CATS C/D VISIBILITY 3/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE AND CIRCLING CATS C/D VISIBILITY 1/4 MILE - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
18. NOTE DELETED: BARO-VNAV NA WHEN USING ITHACA ALTIMETER SETTING - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
19. NOTE DELETED: VDP NA WITH ITHACA ALTIMETER SETTING - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
20. ADDITIONAL FLIGHT DATA, NOTE DELETED: DISTANCE TO THLD FROM 200 HATH: 0.46 NM - NOTE NOW CHARTED IN PROFILE LINE 5.
21. LPV MINIMA CATS A-D CHANGED FROM 1791 DA/200 HAT TO 1841 DA/250 HAT - NEW CONTROLLING OBSTACLE.
22. LNAV/VNAV MINIMA CATS A-D CHANGED FROM 1917 DA/326 HAT TO 1937 DA/346 HAT - 20 FT AC ADDED.
23. FAS DATA: FPAP CHANGED FROM '421223.5050N/0755720.2940W' TO '421223.5240N/0755720.2955W' - PFAF MOVED WITH UPDATED TARGETS EVALUATION.
24. FAS DATA: VERTICAL ALERT LIMIT CHANGED FROM 35 TO 50 - WITH 250 HAT.
25. FAS DATA: CRC REMAINDER CHANGED FROM B5BA53B4 TO EE514D38.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZNY, ZBW, BGM TOWER, BGM APP CON, AMGR

FLIGHT CHECKED BY

STEPHEN BAUER

Digitally signed by **OFFICE**

DATE

WARDELL HENNING

FICO

7/29/2020

Jul 30, 2020

DEVELOPED BY

Digitally signed by

ANDREA CHANEY

ANDREA J CHANEY

OFFICE

AJV-A433

DATE

11/05/2019

Jan 31, 2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

OFFICE

AJV-A430

DATE

TITLE
MANAGER

Jul 30, 2020

AIRPORTAIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEGREATER BINGHAMTON/EDWIN A LINK
FIELD

KBGM

RNAV (GPS) RWY 10

1

BINGHAMTON

NY

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBGM
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	421218.1760N
LTP/FTP LONGITUDE	0755919.9680W
LTP/FTP ELLIPSOIDAL HEIGHT	+04524
FPAP LATITUDE	421223.5240N
FPAP LONGITUDE	0755720.2955W
THRESHOLD CROSSING HEIGHT (TCH)	00053.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EE514D38

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04849
FPAP ORTHOMETRIC HEIGHT	+04849

QUALITY
22
CHECKED