

**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> NY0	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> JOHNSTOWN	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 881	<u>TDZE</u> 881	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 09/23/2010	<u>MAG VAR</u> 14W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 194/30 CW 014/30	NOPT	194/10 CW 014/10		5100
2. 194/10 CW 014/10		LURYO	IF/IAF	3700
3. 014/30 CW 104/30		014/10 CW 104/10		4900
4. 014/10 CW 104/10		JUPEV	IAF	3700
5. 104/30 CW 194/30		104/10 CW 194/10		5600
6. 104/10 CW 194/10		COMUM	IAF	3900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JUPEV	IAF	LURYO	NOPT	TF	FB	1.00	013.76	5.00	3700
COMUM	IAF	LURYO	NOPT	TF	FB	1.00	193.76	5.00	3700
LURYO	IF/IAF	IQHET		TF	FB	1.00	283.77	5.96	2500
IQHET	FAF	YIYIW/2.70 NM TO RW28		TF	FB	0.30	283.67	1.91	
YIYIW/2.70 NM TO RW28		RW28	MAP	TF	FO	0.30	283.67	2.70	
RW28	MAP	1131 MSL		CA			283.67		
1131 MSL		ASQEV		DF	FO	1.00			5000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT ASQEV AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD E LURYO, RT, 283.77 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	283.67	FAF: IQHET	DIST FAF TO MAP: 4.61		DIST FAF TO THLD: 4.61
4. MIN ALT: LURYO 3700, IQHET 2500, YIYIW/2.70 NM TO RW28 1640					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.58	GS ANT:
6. MIN GP INCPT:	2500	GP ALT AT PFAF :	IQHET 2500	OM:	MM:
7. GP ANGLE:	3.20	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 51.8	IM:
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 283.67 INBOUND.
CHART FAS OBST: 979 TREE 430029N/0741834W.
FAS OBST: 1185 AAO 430054N/0741315W.
CHART VDP AT 1.00 NM TO RW28.
WAAS CHANNEL # 53619
REFERENCE PATH ID: W28A
CHART CIRCLING ICON.
LTP HAE: 237.7 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	1131	3/4	250	1131	3/4	250		NA			NA				
LNAV/VNAV DA	1141	3/4	260	1141	3/4	260		NA			NA				
LNAV MDA	1240	1	359	1240	1	359		NA			NA				
CIRCLING	1280	1	399	1340	1	459		NA			NA				

CHANGES - REASONS

1. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 4000 DIRECT ASQEV AND HOLD." TO "CLIMB TO 5000 DIRECT ASQEV AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000."- PER ATC TO ALLEVIATE COMMUNICATIONS INTERFERENCE, AND CIH IS NOW REQUIRED.
2. TAA ALTITUDES FOR LINE 1 CHANGED FROM 4500 TO 5100, LINE 3 CHANGED FROM 4300 TO 4900, LINE 5 CHANGED FROM 5000 TO 5600.- UPDATED OBSTACLE EVALUATION, REMOVED MT ROC DUE TO PRECIPITOUS TERRAIN.
3. TERMINAL ROUTES LURYO TO IQHET DISTANCE CHANGED FROM 5.10 TO 5.96, COURSE/ALTITUDE CHANGED FROM 283.76/3000 TO 283.77/2500.- IQHET MOVED 0.86 NM WEST, UPDATED EVALUATION.
4. PROFILE LINE 2 283.76 INBOUND CHANGED TO 283.77, AND ADDED "MAX 6000."- UPDATED EVALUATION AND 8260.19I.
5. PROFILE LINE 3 FAC CHANGED FROM 283.68 TO 283.67, DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM 5.47 TO 4.61.- IQHET MOVED 0.86 NM WEST.
6. PROFILE LINE 4 IQHET ALTITUDE CHANGED FROM 3000 TO 2500, RW28 1940* CHANGED TO 1640, AND REMOVED "LNAV ONLY.- IQHET MOVED 0.86 NM WEST, UPDATED EVALUATION, AND 8260.19I.
7. PROFILE LINE 5 ADDED 250 HAT: 0.58.- UPDATED OBSTACLE EVALUATION AND LOWER MINIMUMS.
8. PROFILE LINE 6 MIN GP INCPT AND GP ALT CHANGED FROM 3000 TO 2500.- UPDATED OBSTACLE EVALUATION.
9. PROFILE LINE 7 ANGLE/TCH CHANGED FROM 3.50/59.0 TO 3.20/51.8, AND ADDED 20:1 IS CLEAR.- UPDATED OBSTACLE EVALUATION, AND 8260.19I.
10. MINIMUMS: LPV ALL CATS CHANGED FROM 1289/408/1 ¼ TO 1131/250/ ¾, LNAV/VNAV ALL CATS CHANGED FROM 1411/530/1 ½ TO 1141/260/ ¾, LNAV ALL CATS CHANGED FROM 1480/599 TO 1240/359, CIRCLING CAT A CHANGED FROM 1480/599 TO 1280/399, CIRCLING CAT B CHANGED FROM 1480/599 TO 1340/459.- UPDATED OBSTACLE EVALUATION, AND ALTIMETER CHANGED FROM REMOTE TO LOCAL.
11. REMOVED CHART NOTE: BARO-VNAV NA, AND ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.- AIRPORT NOW HAS LOCAL ALTIMETER AS PRIMARY.
12. CHART NOTE CHANGED FROM "VISIBILITY REDUCTION BY HELICOPTERS NA." TO "RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED."- 8260.19I.
13. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE.- 8260.19I.
14. CHART FAS OBSTACLE CHANGED FROM 1059 TREES 430030N/0741616W, 999 TREES 430030N/0741829W TO 979 TREE 430029N/0741834W.- UPDATED OBSTACLE EVALUATION.
15. ADDED FAS OBST: 1185 AAO 430054N/0741315W.- UPDATED 7:1 OBSTACLE EVALUATION.
16. CHANGED HOLD E, RT, 283.68 INBOUND TO 283.67.- UPDATED EVALUATION.
17. ADDED CHART VDP AT 1.00 NM TO RW28.- UPDATED EVALUATION.
18. ADDED CHART CIRCLING ICON.- NEW CIRCLING CRITERIA APPLIED.
19. RELOCATED BACKUP ALTIMETER NOTE FROM THIS FORM TO THE 8260-9 FOR CONTINGENCY PURPOSES.- 8260.19I, ALTIMETERS ON WMSCR.
20. LTP/FTP LAT/LONG CHANGED FROM 425953.6405N/0741919.4840W TO 425953.6390N/0741919.4890W.- AIRNAV DATA.
21. FPAP LAT/LONG CHANGED FROM 425953.0000N/0742120.8900W TO 425952.9955N/0742120.9025W.- UPDATED LTP DATA.
22. CRC REMAINDER CHANGED FROM E297DF9C TO 350690DB. - UPDATED LTP/FTP LAT/LONG AND FPAP LAT/LONG.
23. TERMINAL ROUTES: ADDED RNP VALUES TO ALL SEGMENTS AND ADDED FAF-MISSED APPROACH SEGMENTS.- 8260.19I.
24. ALTERNATE MINIMUMS CHANGED FROM NA TO STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.- AIRPORT NOW HAS LOCAL ALTIMETER AS PRIMARY.
25. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT CHANGED TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).- 8260.19I.
26. ADDITIONAL FLIGHT DATA: REMOVED CHART DISTANCE TO THLD FROM 408 HAT: 0.94 NM.- NO LONGER REQUIRED.
27. ADDITIONAL FLIGHT DATA: ADDED LTP HAE: 237.7 M.- AIRNAV, 8260.19I.
28. FAS DATA BLOCK: TCH CHANGED FROM 59.0 TO 51.8, GPA CHANGED FROM 3.50 TO 3.20.- UPDATED EVALUATION.
29. REMOVED CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.- NO LONGER REQUIRED.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZBW, ALB APP CON, AMGR

FLIGHT CHECKED BY

STANLEY PHILLIPS

Digitally signed by

JASON KRETSCHMER

Aug 01, 2022

OFFICE

FPO

DATE

07/29/2022

DEVELOPED BY

JASON KRETSCHMER (TIA FERONTI)

Digitally signed by

JASON KRETSCHMER

Jun 13, 2022

OFFICE

AJV-A421

DATE

04/01/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Jun 13, 2022

OFFICE

AJV-A420

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	NY0
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	425953.6390N
LTP/FTP LONGITUDE	0741919.4890W
LTP/FTP ELLIPSOIDAL HEIGHT	+02377
FPAP LATITUDE	425952.9955N
FPAP LONGITUDE	0742120.9025W
THRESHOLD CROSSING HEIGHT (TCH)	00051.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	350690DB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02685
FPAP ORTHOMETRIC HEIGHT	+02685