

**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.

AIRPORT WELLSBORO JOHNSTON	AIRPORT ID N38	PROCEDURE NAME RNAV (GPS) RWY 28	ORIGINAL/AMENDMENT 1	CITY WELLSBORO	STATE PA
AIRPORT ELEVATION 1892	TDZE 1892	SUPERSEDED RNAV (GPS) RWY 28	ORIGINAL/AMENDMENT ORIG-A	DATED 01/08/2015	MAG VAR 11W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 28 FEBRUARY 2019	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND	EPOCH YEAR 2000

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 189/30 CW 009/30	NOPT	NOZVY	IF/IAF	4900
2. 009/30 CW 189/30		NOZVY	IF/IAF	4900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
NOZVY	IF/IAF	COVOJ		TF	FB	1.00	279.03	5.04	3500
COVOJ	FAF	RW28	MAP	TF	FO	0.30	278.95	4.96	
RW28	MAP	2292 MSL		CA			278.95		
2292 MSL		WUDUL		DF	FO	1.00			4500

MISSED APPROACH

MAP:

LP: RW28
LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 4500 DIRECT WUDUL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD E NOZVY, RT, 279.03 INBOUND, 4900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 278.95 **FAF:** COVOJ **DIST FAF TO MAP:** 4.96 **DIST FAF TO THLD:** 4.96
4. **MIN ALT:** NOZVY 4900, COVOJ 3500
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
6. **MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:**
8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 11 AND 29.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART DUKE MOA
 WAAS CHANNEL #99530
 REFERENCE PATH ID: W28A
 HOLD SW, RT, 047.37 INBOUND
 LTP HAE: 541.1 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 900-2 1/2

CATEGORY:	A			B			C			D			E		
	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
LP MDA	2300	1	408	2300	1	408	2300	1 1/8	408		NA				
LNAV MDA	2420	1	528	2420	1	528	2420	1 1/2	528		NA				
CIRCLING	2680	1	788	2680	1	788	2740	2 1/2	848		NA				



CHANGES - REASONS

1. UPDATED TAA 1 FROM 189/30 CW 009/30 NOPT TO 189/8 CW 009/8 TO; FROM 189/30 CW 009/30 NOPT TO NOZVY -UPDATED SURVEY INFORMATION.
2. DELETED TAA 2 (TAA STEPDOWN)-UPDATED SURVEY INFORMATION.
3. UPDATED TAA 3 TO TAA 2 AND UPDATED FROM 009-30 CW 189/30 TO 009/8 CW 189/8 TO; 009/30 CW 189/30 TO NOZVY -UPDATED SURVEY INFORMATION.
4. DELETED TAA 4 (TAA STEPDOWN)-UPDATED SURVEY INFORMATION.
5. UPDATED H-I-L FROM HOLD E NOZVV, RT, 279.03 INBOUND, 4200 FT. IN LIEU OF PT (LAF) TO; HOLD E NOZVY, RT, 279.03 INBOUND, 4900 FT. IN LIEU OF PT (IAF), MAX 6000-UPDATED SURVEY INFORMATION AND UPDATED DOCUMENTATION CRITERIA IAW 8-6-7 B2(B).
6. UPDATED LP ALL CATS MDA/HAT FROM 2520/628 TO 2300/408 AND UPDATED LP CAT C VIS FROM 1 3/4SM TO 1 1/8SM-AIRPORT NOW HAS ITS OWN PRIMARY ALTIMETER, NEW SURVEY INFORMATION.
7. UPDATED LNAV ALL CATS MDA/HAT FROM 2740/848 TO 2420/528 AND UPDATED LNAV CAT B VIS FROM 1 1/4SM TO 1SM AND LNAV CAT C VIS FROM 2 1/2 TO 1 1/2-AIRPORT NOW HAS ITS OWN PRIMARY ALTIMETER, NEW SURVEY INFORMATION.
8. UPDATED CIRCLING CAT A/B MDA/HAA FROM 2940/1048 TO 2680/788, CIRCLING CAT C MDA/HAA FROM 2940/1048 TO 2740/8488 AND UPDATED CIRCLING CAT A VIS FROM 1 1/4 SM TO 1SM, CIRCLING CAT B VIS FROM 1 1/2SM TO 1 SM AND CIRCLING CAT C VIS FROM 3SM TO 2 1/2SM-AIRPORT NOW HAS ITS OWN PRIMARY ALTIMETER, NEW SURVEY INFORMATION.
9. DELETED CHART NOTE: WHEN VGS1 INOP, PROCEDURE NA AT NIGHT ADDED CHART NOTE: PROCEDURE NA AT NIGHT-20:1 NOT CLEAR-IAW 8260-19H 8-6-11 O(2)(A) AND 8-6-11O(14).
10. ADDED 20:1 NOT CLEAR TO LINE 7-IAW 8260.19H 8-6-7 G(3).
11. ADDED PBN EQUIPMENT REQUIREMENT NOTE RNP APCH-NEW CRITERIA NOTE IAW 8260.19H8-6-8 B (1).
12. DELETED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA AND ADDED CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED-20:1 NOT CLEAR IAW 8260.19H 8-6-11 K(3).
13. ADDED CHART NOTE: CIRCLING NA TO RWYS 11 AND 29-TURF RUNWAYS IAW 8260-19H 8-6-11 O(5)(E).
14. MOVED CONTINGENCY ALTIMETER NOTE TO BACK OF -9-AIRPORT NOW HAS ITS OWN PRIMARY ALTIMETER, RETAINED CURRENT MINIMUMS MINOR AMENDMENT ONLY IAW 8260-19H 8-6-9 F (3).
15. DELETED NOTE: DME/DME RNP-0.3 NA-NO LONGER NEEDED IAW 8260.19H 1-1-5 F (14).
16. UPDATED RNP ON INTERMEDIATE ROUTE FROM 0.5 TO 1.0-IAW 8260-19H 4-6-10 F.
17. ADDED RNP 1.0 ON MISSED APPROACH SEGMENT.
18. UPDATED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 4500 DIRECT WUDUL AND HOLD TO CLIMBING RIGHT TURN TO 4500 DIRECT WUDUL AND HOLD-UPDATED SURVEY INFORMATION.
19. UPDATED FAS DATA LTP LATITUDE/LONGITUDE FROM 414341.0250N/0772323.7.435W TO 414341.0245N/0772323.7440W, FPAP LALTITUDE/LONGITUDE FROM 414337.7200N/0772522.6500W TO 414337.7095N/0772522.6565WAND CRC REMAINDER FROM 2E2F48F3 TO 58F0B170-UPDATED SURVEY INFORMATION.
20. CHARTED CIRCLING ICON-UPDATED CIRCLING CRITERIA.
21. UPDATED MIN ALT: NOZVY 4200 TO MIN ALT: NOZVY 4900-PRECIPITOUS TERRAIN ELIMINATES MOUNTAINOUS ROC REDUCTION.

- 12/26/2018: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 9/28/2018.
1. ADDED PROFILE NOTE: VISUAL SEGMENT - OBSTACLES - FLIGHT CHECK REQUEST.
 2. REMOVED VDA - FLIGHT CHECK REQUEST.
 3. CRC REMAINDER CHANGED FROM 58F0B170 TO 683059E4 - REMOVAL OF FAS GPA AND TCH.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ELM APP CON, ZNY, ZOB

FLIGHT CHECKED BY	<i>Digitally signed by</i> DAVID DANNER	OFFICE	DATE	
GARY J VEER	Dec 27, 2018	FICO	1/3/19	
DEVELOPED BY	<i>Digitally signed by</i> DAVID DANNER	OFFICE	DATE	
JOHN HAZELTON	Dec 27, 2018	AJV-5421	09/26/2018	
APPROVED BY JULIE MORGAN	<i>Digitally signed by</i> DAVID DANNER	OFFICE	DATE	TITLE
	Dec 27, 2018	AJV-5420		MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	N38
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	414341.0245N
LTP/FTP LONGITUDE	0772323.7440W
LTP/FTP ELLIPSOIDAL HEIGHT	+05411
FPAP LATITUDE	414337.7095N
FPAP LONGITUDE	0772522.6565W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1664
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	683059E4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+05734
FPAP ORTHOMETRIC HEIGHT	+05734

