

**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> 39N	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> PRINCETON/ROCKY HILL	<u>STATE</u> NJ
<u>AIRPORT ELEVATION</u> 128	<u>TDZE</u> 128	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 10/07/2021
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 13W
				<u>EPOCH YEAR</u> 2005
				<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>
SBJ VOR/DME		WATIB		TF	FB	1.00	270.79	8.75	2700
WATIB	IAF	FOLAM	NOPT	TF	FB	1.00	187.38	9.36	2700
DIRPE	IAF	FOLAM	NOPT	TF	FB	1.00	152.65	6.01	2700
FOLAM	IF/IAF	CUPAY		TF	FB	1.00	102.17	6.71	1800
CUPAY	FAF	HODAB/2.15 NM TO RW10		TF	FB	0.30	102.27	2.29	
HODAB/2.15 NM TO RW10		RW10	MAP	TF	FO	0.30	102.27	2.15	
RW10	MAP	441 MSL		CA			102.27		
441 MSL		JETOR		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT JETOR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|--|----------------------------|----------------|-----------------------|------------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD W FOLAM, RT, 102.17 INBOUND, 2700 IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 102.27 | FAF: CUPAY | | DIST FAF TO MAP: 4.45 | DIST FAF TO THLD: 4.45 | |
| 4. MIN ALT: FOLAM 2700, CUPAY 1800, HODAB/2.15 NM TO RW10 960 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 313 HAT: 0.74 | GS ANT: |
| 6. MIN GP INCPT: 1800 | GP ALT AT PFAF: CUPAY 1800 | | | OM: | MM: |
| 7. GP ANGLE: 3.45 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 51.0 | | IM: |
| 8. MSA FROM: RW10 2700 | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: BARO-VNAV NA.
CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING TO RWY 28 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SBJ VOR/DME AIRWAY RADIALS 237 CW 309.
CHART NOTE: USE TTN ALTIMETER SETTING; WHEN NOT RECEIVED, USE SMQ ALTIMETER SETTING AND INCREASE LPV DA TO 443 FEET; INCREASE LNAV/VNAV DA TO 602 FEET; INCREASE ALL MDAS 20 FEET AND CIRCLING VISIBILITY CAT D 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART TTN ASOS
HOLD E, RT, 282.50 INBOUND.
FAS OBST: 310 TREE 402321N/0744118W.
WAAS CHANNEL # 86843
REFERENCE PATH ID: W10A
LTP HAE: 3.2 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	441	7/8	313	441	7/8	313	441	7/8	313	441	7/8	313			
LNAV/VNAV DA	600	1 3/8	472	600	1 3/8	472	600	1 3/8	472	600	1 3/8	472			
LNAV MDA	600	1	472	600	1	472	600	1 3/8	472	600	1 3/8	472			
CIRCLING	760	1	632	840	1	712	940	2 1/2	812	1000	2 3/4	872			

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAM AMDT INTO FORM. - IAW 8260.19K 8-3-4 C(3).
- INCREASED LNAV/VNAV DA/HAT FROM 533/405 TO 600/472; VISIBILITY ALL CATS FROM 1 1/8 TO 1 3/8 SM. – NEW LNAV/VNAV CONTROLLING OBSTACLE.
- INCREASED LNAV MDA/HAT FROM 58/0/452 TO 600/472. - NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
- TERMINAL ROUTES: ADDED NOPT TO INITIAL SEGMENT WATIB – FOLAM. – DOES NOT REQUIRE A COURSE REVERSAL.
- TERMINAL ROUTES: UPDATED CUPAY – HODAN DISTANCE FROM 2.25 TO 2.29; HODAN TO RW10 DISTANCE FROM 2.20 TO 2.15. – STEPDOWN FIX HODAB MOVED TO ACCOMMODATE 3.45/51.0 GPA/TCH AND VAA ALTITUDE.
- MISSED APPROACH INSTRUCTIONS: UPDATED FROM “CLIMB TO 2700 DIRECT JETOR AND HOLD” TO “CLIMB TO 2000 DIRECT JETOR AND HOLD.” – PER ATC REQUEST.
- UPDATED CHART NOTE FROM “CHART NOTE: USE TRENTON ALTIMETER SETTING” TO “USE TTN ALTIMETER SETTING; WHEN NOT RECEIVED, USE SMQ ALTIMETER SETTING AND INCREASE LPV DA TO 443 FEET; INCREASE LNAV/VNAV DA TO 602 FEET; INCREASE ALL MDAS 20 FEET AND CIRCLING VISIBILITY CAT D 1/4 SM.” - IAW 8260.19K 8-6-10F(4); SECONDARY ALTIMETER AVAILABLE.
- ADDITIONAL FLIGHT DATA: UPDATED “CHART TRENTON MERCER ASOS” TO “CHART TTN ASOS.” – IAW 8260.19K 8-6-10 E(2)A.
- ADDITIONAL FLIGHT DATA: REMOVED CHART CIRCLING ICON. - NO LONGER REQUIRED.
- ADDITIONAL FLIGHT DATA: UPDATED FROM “CHART FAS OBST: 321 TREE 402317N/0744202W” TO “FAS OBST: 310 TREE 402321N/0744118W.” – NEW NON-PRECISION CONTROLLING OBSTACLE.
- FAS DATA: UPDATED FPAP LAT/LONG FROM 402357.5420N/0743758.4190W TO 402357.5430N/0743758.4190W. - NEW AIRNAV DATA INCORPORATED.
- FAS DATA: UPDATED CRC REMAINDER FROM F08496E8 TO 60C58B5B. – NEW FPAP COORDINATES.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZNY, N90, AMGR

FLIGHT CHECKED BY

MICHAEL G CAMPBELL

Digitally signed by

APRIL T SARMENTO

Apr 27, 2026

OFFICE

AJF

DATE

04/24/26

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

APRIL T SARMENTO

Apr 27, 2026

OFFICE

AJV-A432

DATE

12/16/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

APRIL T SARMENTO

Apr 27, 2026

OFFICE

AJV-A430

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	39N
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	402356.5190N
LTP/FTP LONGITUDE	0743955.0355W
LTP/FTP ELLIPSOIDAL HEIGHT	+00032
FPAP LATITUDE	402357.5430N
FPAP LONGITUDE	0743758.4190W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.45
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	60C58B5B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00366
FPAP ORTHOMETRIC HEIGHT	+00366



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
39N	RNAV (GPS) RWY 10	3	PRINCETON/ROCKY HILL	NJ	128	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM SBJ VOR/DME **TO** WATIB

RNP 1.00 **DISTANCE** 8.75 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	403554.00N/0744930.00W	1037	215	8	4B	1000				AT663	2700
TERRAIN	403554.00N/0744930.00W	836 (800)								AS1500	2300

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INITIAL

FROM WATIB **TO** FOLAM

RNP 1.00 **DISTANCE** 9.36 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (34-000592)	403317.00N/0745415.00W	975	100	20	3C	1000				AT725	2700
TERRAIN	403309.00N/0755551.00W	695 (700)								AS1500	2200

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

QUALITY
37
CHECKED

INITIAL

FROM

DIRPE

TO

FOLAM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	6.01										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	402748.00N/0750006.00W	765	215	8	4B	1000				AT935	2700
TERRAIN	402739.00N/0750015.00W	564 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

FOLAM (IF/IAF)

TO

CUPAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.71										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (34-000119)	402449.52N/0744836.43W	826	20	3	1A	500				AT474	1800
TERRAIN	402536.00N/0744739.00W	498 (500)								AS1000	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM
CUPAY

TO
RW10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.47		DA				313				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (34-021816)	402351.85N/0744014.77W	191	20	3	1A		29.57:1			RA33 SA-1 MA31	441

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM
CUPAY

TO
RW10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.45		DA				472				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	402321.00N/0744118.00W	310	215	8	4B		20.35:1			RA33 AC8	600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
CUPAY

TO
HODAB/2.15 NM TO RW10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	2.29										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	402506.00N/0744609.00W	643	215	8	4B	250				RA53	960

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

HODAB/2.15 NM TO RW10

TO

RW10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.15		RW10		472						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	402321.00N/0744118.00W	310	215	8	4B	250				RA33	600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

FOLAM

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
		P-5									
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	402215.00N/0750645.00W	781	215	8	4B	1000				AT919	2700
TERRAIN	402215.00N/0750645.00W	580 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

JETOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30								193			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (34-021749)	402354.17N/0744021.70W	185	50	20	2C		ASC				2000
TOWER (34-000552)	402446.40N/0743605.16W	597	20	10	1B	1000					1600
TERRAIN	402403.00N/0743621.00W	328 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

JETOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30							406				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2000
TOWER (34-000552)	402446.40N/0743605.16W	597	20	10	1B	1000					1600
TERRAIN	402403.00N/0743621.00W	328 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV

FROM

RW10

TO

JETOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30-1.00										467	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2000
TOWER (34-000552)	402446.40N/0743605.16W	597	20	10	1B	1000					1600
TERRAIN	402403.00N/0743621.00W	328 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	402248.00N/0744036.00W	1.30	632	419	215	8	4B	300		RA33	760
CATEGORY B											
TOWER (34-000133)	402407.28N/0743706.81W	1.81	712	496	20	3	1A	300		RA33	840
CATEGORY C											
TOWER (34-000552)	402446.40N/0743605.16W	2.84	812	597	20	10	1B	300		RA33	940
CATEGORY D											
AAO	402636.00N/0744318.00W	3.71	872	666	215	8	4B	300		RA33	1000

CIRCLING REMARKS:

MSA

CENTER

RW10

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (34-024891)	404614.04N/0750336.72W	334	28.7	1648	500	125	5E	1000			2700

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT 100 FT PER FPT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZNY ARTCC, NY TRACON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	TTN	24	TTN	10.27	Y	33
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SMQ	24	SMQ	13.50	Y	35

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
39N 128, TTN 190
RA = 32.4

39N 128, SMQ 105
RA = 34.3

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW10 - REIL (PCL), MIRL (PCL), PAPI-2L		NPI-G	
RW28 - MIRL (PCL), PAPI-2L		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.45	120.0	51.0			3.45	41.5

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-15C	+54C	-15C	+14.75C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 1100 HIGH TEMP 1262.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 28
20:1	



AIRPORT ID		PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
39N		RNAV (GPS) RWY 10	3	PRINCETON/ROCKY HILL	NJ	128	RNAV
205 TREE (34-071098) 402359.9600N/0743858.1400W (23.12)				207 TREE (34-072125) 402400.6200N/0743857.0000W (20.67)			
180 TREE (34-071370) 402359.6300N/0743903.6900W (19.6)				202 TREE (34-072018) 402359.7400N/0743857.3800W (17.19)			
176 TREE (34-058489) 402358.9900N/0743902.7600W (12.04)				182 TREE (34-030125) 402358.0800N/0743901.0600W (11.52)			
173 TREE (34-055455) 402359.0800N/0743903.3200W (11.2)				172 TREE (34-055193) 402356.0900N/0743903.4300W (10.8)			
183 TREE (34-030120) 402357.8500N/0743900.3800W (9.9)				178 TREE (34-030121) 402358.2500N/0743901.6500W (9.79)			
210 TREE (34-071264) 402359.6800N/0743853.3200W (9.49)				169 POLE (34-023985) 402359.2500N/0743903.8700W (9.32)			
187 TRANSMISSION_LINE:T_L_TOWER (34-006079) 402400.0000N/0743859.0000W (8.44)				168 TREE (34-030103) 402356.7800N/0743903.2500W (6.07)			
177 TREE (34-055191) 402358.4700N/0743900.9400W (6.03)				207 TREE (34-029920) 402359.5400N/0743853.0200W (5.34)			
183 TREE (34-071872) 402400.3100N/0743859.2300W (5.31)				207 TREE (34-071827) 402359.6500N/0743852.8000W (4.48)			
205 TREE (34-030011) 402359.8400N/0743853.1200W (3.71)				163 POLE (34-023984) 402358.7900N/0743903.9300W (3.58)			
165 BUILDING (34-024030) 402356.3900N/0743902.8500W (1.54)				163 BUILDING (34-072234) 402359.7900N/0743903.1600W (0.54)			
186 TREE (34-030440) 402356.4700N/0743857.1000W (0.3)							
FINAL TYPE	LPV, LNAV/VNAV, LNAV						
34:1							
177 TREE (34-056478) 402354.1500N/0744014.2700W (19.04)				166 TREE (34-071579) 402354.0200N/0744009.7000W (18.43)			
168 TREE (34-021756) 402353.9200N/0744011.2500W (16.9)				167 TREE (34-071598) 402354.3200N/0744010.9600W (16.58)			
170 TREE (34-021790) 402353.2500N/0744012.8500W (15.24)				171 TREE (34-071905) 402353.6500N/0744013.7400W (14.23)			
172 TREE (34-029799) 402354.9300N/0744014.3500W (13.88)				172 TREE (34-021789) 402352.9800N/0744014.6900W (13.04)			
165 TREE (34-029795) 402353.9100N/0744011.8800W (12.47)				154 TREE (34-029791) 402354.8100N/0744007.2200W (12.1)			
170 TREE (34-029825) 402353.5700N/0744014.5900W (11.29)				185 TREE (34-021749) 402354.1700N/0744021.7000W (10.13)			
157 TREE (34-071199) 402354.4600N/0744009.4100W (10.11)				165 TREE (34-029797) 402353.8100N/0744013.3100W (9.21)			
173 TREE (34-071796) 402352.4600N/0744016.8300W (9.16)				180 TREE (34-021786) 402353.4900N/0744020.0300W (8.91)			
139 TREE (34-029918) 402354.2200N/0744002.5700W (7.66)				137 TREE (34-071963) 402354.7200N/0744002.0300W (6.91)			
179 TREE (34-029828) 402354.1800N/0744020.6400W (6.55)				137 TREE (34-071687) 402354.7700N/0744002.3900W (6.09)			
160 TREE (34-072224) 402354.4300N/0744012.5500W (5.96)				169 TREE (34-021754) 402354.6600N/0744016.5900W (5.78)			
134 TRAVERSE_WAY:PUBLIC_ROAD (34-026306) 402357.7600N/0744001.5000W (5.22)				173 TREE (34-021812) 402352.3100N/0744018.5800W (5.17)			
163 TREE (34-071560) 402354.7100N/0744014.6100W (4.29)				136 TREE (34-071640) 402354.7500N/0744002.9600W (3.79)			
137 TREE (34-071109) 402354.7800N/0744003.4600W (3.66)				165 TREE (34-021755) 402355.6500N/0744016.0100W (3.13)			
131 TREE (34-029894) 402357.8600N/0744001.1900W (2.93)				143 TREE (34-029789) 402354.9500N/0744006.6400W (2.43)			
152 TREE (34-029794) 402354.9400N/0744010.8100W (1.94)				176 TREE (34-072191) 402352.0000N/0744021.5200W (1.47)			
154 TREE (34-029796) 402354.7600N/0744012.4200W (0.27)							
PENETRATIONS REMARKS:							

QUALITY
37
CHECKED

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - REMOTE PRIMARY ALTIMETER.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VGSI ANGLE/TCH NOT COINCIDENT DUE TO VGS PENETRATIONS
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.36
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	89.27
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	9.76
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	89.17
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)	402356.52N/0743955.04W
ARP COORDINATES	402356.72N/0743932.42W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 28 DISTANCE 0.29 NM
FAF COORDINATES	402353.26N/0744544.24W
FIX NAME COORDINATES	IF CUPAY 402353.26N/0744544.24W

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (BARBARA GORMAN)	AJV-A432	12/16/2025	AERONAUTICAL INFORMATION SPECIALIST

