

**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 ID PHL	PROCEDURE NAME RNAV (GPS) RWY 27R	ORIGINAL/AMENDMENT 2	CITY PHILADELPHIA	STATE PA
AIRPORT ELEVATION 36	TDZE 11	SUPERSEDED RNAV (GPS) RWY 27R	DATED 10/02/2025	MAG VAR 12W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2020
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EYRIE	IAF	IVRZN		TF	FB	1.00	082.76	4.58	3000
IVRZN		TAWKN		TF	FB	1.00	088.55	4.50	3000
TAWKN		BBOUT		TF	FB	1.00	150.35	3.09	3000
BBOUT		PRCTS		TF	FB	1.00	206.35	3.14	3000
PRCTS		NOTTT		TF	FB	1.00	268.47	3.51	2000
NOTTT	IF	AGAYM		TF	FB	1.00	267.67	3.70	2000
AGAYM		JALTO	PFAF	TF	FB	1.00	267.62	3.66	2000
JALTO	FAF	RW27R	MAP	TF	FO	0.30	267.57	6.07	
RW27R	MAP	500 MSL		CA			267.57		500
500 MSL		FOLEZ		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FOLEZ AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | | | | | |
|--------------|--|-----------------------------------|------------------------------|-------------------------------|----------------------|----------------|--|------------|--|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | | | | |
| 2. | PROFILE STARTS AT NOTTT | | | | | | | | |
| 3. | FAC: 267.57 | FAF: JALTO | DIST FAF TO MAP: 6.07 | DIST FAF TO THLD: 6.07 | | | | | |
| 4. | MIN ALT: NOTTT 2000, AGAYM 2000, JALTO 2000 | | | | | | | | |
| 5. | DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 256 HAT: 0.63 | GS ANT: | | | |
| 6. | MIN GP INCPT: 2000 | GP ALT AT PFAF: JALTO 2000 | | OM: | | MM: | | IM: | |
| 7. | GP ANGLE: 3.00 | 34:1: IS CLEAR | 20:1: IS CLEAR | TCH: 57.0 | | | | | |
| 8. | MSA FROM: RW27R 2600 | | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CATS C AND D VISIBILITY TO 2 SM.
 CHART SPEED ICON IN PLANVIEW AT EYRIE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 024.26 INBOUND.
 CHART FAS OBST: 388 BRIDGE (34-000310) 395417N/0750733W.
 CHART 617 TOWER (34-000057) 395436N/0750559W.
 CHART VDP AT 1.96 NM TO RW27R.
 WAAS CHANNEL # 90122
 REFERENCE PATH ID: W27B
 CHART MANDATORY 2000 AT AGAYM.
 LTP HAE: -29.7 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/4

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	267	2400	256	267	2400	256	267	2400	256	267	2400	256				
LNAV/VNAV DA	520	5500	509	520	5500	509	520	5500	509	520	5500	509				
LNAV MDA	720	2400	709	720	2400	709	720	1 5/8	709	720	1 5/8	709				
CIRCLING	720	1	684	720	1	684	720	2	684	720	2 1/4	684				



CHANGES - REASONS

1. TERMINAL ROUTES: ADDED SEGMENT EYRIE TO IVRZN COURSE 082.76 DISTANCE 4.58 ALTITUDE 3000 – NEW SEGMENT PER ATC REQUEST.
2. TERMINAL ROUTES: ADDED SEGMENT IVRZN TO TAWKN COURSE 088.55 DISTANCE 4.50 ALTITUDE 3000 – NEW SEGMENT PER ATC REQUEST.
3. TERMINAL ROUTES: ADDED SEGMENT TAWKN TO BBOU COURSE 150.35 DISTANCE 3.09 ALTITUDE 3000 – NEW SEGMENT PER ATC REQUEST.
4. TERMINAL ROUTES: ADDED SEGMENT BBOU TO PRCTS COURSE 206.35 DISTANCE 3.14 ALTITUDE 3000 - NEW SEGMENT PER ATC REQUEST.
5. TERMINAL ROUTES: FIX ENZEW CHANGED TO PRCTS AND DUCVA CHANGED TO NOTTT REMOVED "@@" FROM ALTITUDE – CHANGED PER ATC REQUEST SIMILAR SOUNDING NAMES, ATC REDESIGNED PROCEDURE.
6. TERMINAL ROUTES: DISTANCE BETWEEN PRCTS AND NOTTT CHANGED FROM "2.76" TO "3.51" COURSE CHANGED FROM "268.63" TO "268.47" ALTITUDE CHANGED FROM "3500" TO "2000" – NEW IF LOCATION.
7. TERMINAL ROUTES: DISTANCE BETWEEN NOTTT AND AGAYM CHANGED FROM "2.76" TO "3.70" COURSE CHANGED FROM "267.69" TO "267.67" ALTITUDE CHANGED FROM "3000" TO "2000" – NEW SDF LOCATION.
8. TERMINAL ROUTES: DISTANCE BETWEEN AGAYM AND JALTO CHANGED FROM "5.14" TO "3.66" COURSE CHANGED FROM "267.69" TO "267.62" ALTITUDE CHANGED FROM "2100" TO "2000" – NEW PFAF LOCATION.
9. TERMINAL ROUTES: DISTANCE BETWEEN JALTO AND RW27R CHANGED FROM "6.28" TO "6.07" COURSE CHANGED FROM "267.58" TO "268.57" – NEW PFAF LOCATION.
10. PROFILE LINE 3: FAC CHANGED FROM "267.58" TO "267.57" - OPTIMAL COURSE/NEW EVALUATION.
11. MISSED APPROACH: CHANGED FROM "CLIMB TO 3000 DIRECT LANDI AND ON TRACK 293.76 TO MXE VORTAC AND HOLD" TO "CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FOLEZ AND HOLD" – NAVAID DECOMMISSIONED.
12. PROFILE LINE 2: PROFILE START CHANGED FROM "DUCVA" TO "NOTTT" – NAME CHANGE.
13. PROFILE LINE 3: DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM: "6.28" TO "6.07" – NEW PFAF LOCATION.
14. PROFILE LINE 4: MIN ALT CHANGED FROM "DUCVA 3500@@", MRTIN 3000, JALTO 2100" TO "NOTTT 2000, AGAYM 2000, JALTO 2000" – PER ATC REQUEST.
15. PROFILE LINE 5: HAT DISTANCE CHANGED FROM "0.64" TO "0.63" – NEW TCH/NEW SOFTWARE APPLICATION.
16. PROFILE LINE 6: MIN GP INCPT CHANGED FROM "2100" TO "2000" – NEW MANDATORY ALTITUDE FOR TRAFFIC DECONFLICTION.
17. PROFILE LINE 7: ADDED "20:1 IS CLEAR" – NOT MENTIONED IN PREVIOUS AMENDMENT.
18. PROFILE LINE 7: TCH CHANGED FROM "53.2" TO "57.0" – NEW DESIGN TCH.
19. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT EYRIE: MAX 210 KIAS" – IAW 8260.19J 4-6-10, G.
20. ADDITIONAL FLIGHT DATA: HOLDING CHANGED FROM "HOLD SW, RT, 057.00 INBOUND" TO "HOLD SW, RT, 024.26 INBOUND" – NEW CLEARANCE LIMIT.
21. ADDITIONAL FLIGHT DATA: CHART FAS OBS CHANGED FROM "CHART FAS OBST: 399 BRIDGE (39-0817) 395421N/0750758W" TO "CHART FAS OBST: 388 BRIDGE (34-000310) 395417N/0750733W" – NEW CONTROLLING OBSTACLE.
22. ADDITIONAL FLIGHT DATA: CHANGED OBSTACLE FROM "CHART 618 TOWERS 395436N/0750559W" TO "CHART 617 TOWER (34-000057) 395436N/0750559W" – NEW CONTROLLING OBSTACLE.
23. ADDITIONAL FLIGHT DATA: VDP CHANGED FROM "1.97" TO "1.96" – PROCEDURE REDESIGN.
24. ADDITIONAL FLIGHT DATA: ADDED "CHART MANDATORY 2000 AT AGAYM" – ATC REQUEST, IAW 8260.19 8-6-10.
25. MINIMUMS: LNAV/VNAV ALL CATS VIS CHANGED FROM "6000" TO "5500" – IAW 8260.3 TABLE 3-3-1.
26. MINIMUMS: LNAV CAT C/D VIS CHANGED FROM "1 1/2" TO "1 5/8" – 8260.3 TABLE 3-3-5.
27. FAS DATA: FPAP LATITUDE/LONGITUDE CHANGED FROM "395207.2400N/0751520.5200W" TO "395207.2575N/0751520.3825W" – NEW TCH.
28. FAS DATA: TCH CHANGED FROM "53.2" TO "57" – TO MATCH ILS DESIGN TCH.
29. FAS DATA: CRC REMAINDER CHANGED FROM "0DD213E1" TO "1BFDB928" – NEW TCH AND NEW FPAP LATITUDE/LONGITUDE.
30. INCORPORATED P-NOTAM 5/6295 INTO FORMS.
31. NOTE: REMOVED PLANVIEW NOTE "@@ 3000 WHEN AUTHORIZED BY ATC" - PROCEDURE REDESIGNED BY ATC.
32. TERMINAL ROUTES: CA LEG ALTITUDE CHANGED FROM "267" TO "500", COURSE CHANGED FROM "267.58" TO "267.57" MISSED HOLDING CHANGED FROM "LANDI TO MXE VORTAC" TO "FOLEZ" – NAVAID DECOMMISSIONED.
33. CHART NOTE: CHANGED FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9°C OR ABOVE 54°C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C" - NEW HISTORICAL TEMPERATURES.
34. CHART NOTE: CHANGED FROM "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CAT C/D TO 2 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CATS C AND D VISIBILITY TO 2 SM" - IAW 8260.19 8-6-12 O(3)(E).



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZDC, ZNY, PHL APP CON, AMGR, PHL ATCT

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

GIORGIA FERREIRA

OFFICE

AJV-A4

DATE

09/10/2025

APPROVED BY

ROBERT G HAMILTON

OFFICE

AJV-A4

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KPHL
RW27R
0
0
W27B
395230.7930N
0751322.4290W
-00297
395207.2575N
0751520.3825W
00057.0
F
03.00
106.75
0000
40.0
50.0

CRC REMAINDER

1BFDB928

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00032
+00032



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

<u>AIRPORT ID</u> PHL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27R	<u>AMDT NO.</u> 2	<u>CITY</u> PHILADELPHIA	<u>STATE</u> PA	<u>AIRPORT ELEVATION</u> 36	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

<u>FROM</u> EYRIE	<u>TO</u> IVRZN
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<u>RNP</u> 1.00	<u>DISTANCE</u> 4.58	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (42-002599)	400057.05N/0750637.84W	335	20	3	1A	1000				AT1665	3000
TERRAIN	395915.00N/0750212.00W	114 (100)								AS1500	1600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL: STEPDOWN

<u>FROM</u> IVRZN	<u>TO</u> TAWKN
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<u>RNP</u> 1.00	<u>DISTANCE</u> 4.50	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (34-068715)	400034.21N/0745856.06W	330	250	50	4D	1000				AT1670	3000
TERRAIN	400054.00N/0745900.00W	98 (100)								AS1500	1600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
PHL

PROCEDURE NAME
RNAV (GPS) RWY 27R

AMDT NO.
2

CITY
PHILADELPHIA

STATE
PA

AIRPORT ELEVATION
36

FACILITY
RNAV

INITIAL: STEPDOWN

FROM TAWKN **TO** BBOUT

RNP 1.00 **DISTANCE** 3.09 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (34-000948)	395821.00N/0745354.00W	415	250	50	4D	1000				AT1585	3000
TERRAIN	395915.00N/0745345.00W	91 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM BBOUT **TO** PRCTS

RNP 1.00 **DISTANCE** 3.14 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (34-000948)	395821.00N/0745354.00W	415	250	50	4D	1000				AT1585	3000
TERRAIN	395854.00N/0745421.00W	95 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:



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RNAV (GPS) RWY 27R

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AIRPORT ELEVATION
36

FACILITY
RNAV

INITIAL: STEPDOWN

FROM PRCTS **TO** NOTTT

RNP 1.00 **DISTANCE** 3.51 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (34-000948)	395821.00N/0745354.00W	415	250	50	4D	1000				AT585	2000
TERRAIN	395603.00N/0745339.00W	167 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM NOTTT **TO** AGAYM

RNP 1.00 **DISTANCE** 3.70 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	395318.00N/0745915.00W	319	215	8	4B	500				AT1181	2000

COMPUTATIONS

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

SEGMENT REMARKS:



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RNAV (GPS) RWY 27R

AMDT NO.
2

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PHILADELPHIA

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36

FACILITY
RNAV

INTERMEDIATE: STEPDOWN

FROM
AGAYM

TO
JALTO

RNP
1.00

DISTANCE
3.66

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (34-000057)	395436.00N/0750559.00W	617	250	50	4D	500				AT883	2000
TERRAIN	395254.00N/0750224.00W	137 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LPV

FROM
JALTO

TO
RW27R

RNP
0.30

DISTANCE
6.07

PAT

MAP
DA

HAT
256

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC			MA29 XP38	267

COMPUTATIONS

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

SEGMENT REMARKS:

MAINTAIN CURRENT MINIMUMS. LOWER MINS STUDY NOT AVAILABLE.

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RNAV (GPS) RWY 27R

AMDT NO.
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AIRPORT ELEVATION
36

FACILITY
RNAV

FINAL: LNAV/VNAV

FROM
JALTO **TO**
RW27R

RNP 0.30 **DISTANCE** 6.07 **PAT** **MAP** DA **HAT** 509 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
POLE (42-131603)	395322.55N/0751205.38W	162	20	3	1A		22.80:1			DG280 XP78	520

COMPUTATIONS

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

SEGMENT REMARKS:

MAINTAIN CURRENT MINIMUMS. LOWER MINS STUDY NOT AVAILABLE.

FINAL: LNAV

FROM
JALTO **TO**
RW27R

RNP 0.30 **DISTANCE** 6.07 **PAT** **MAP** RW27R **HAT** 709 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BRIDGE (34-000310)	395416.96N/0750732.78W	388	20	10	1B	250				XL4 XP78	720

COMPUTATIONS

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

SEGMENT REMARKS:

MAINTAIN CURRENT MINIMUMS. LOWER MINS STUDY NOT AVAILABLE.



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36

FACILITY
RNAV

MISSED APPROACH: LPV

FROM
DA **TO**
FOLEZ

RNP 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 73

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	395239.00N/0751330.00W	120	215	8	4B		ASC				3000
TOWER (42-003422)	395322.02N/0753135.74W	804	20	3	1A	1000					1900
TERRAIN	395330.00N/0754912.00W	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: LNAV/VNAV

FROM
DA **TO**
FOLEZ

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 359

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (42-003422)	395322.02N/0753135.74W	804	20	3	1A	1000					1900
TERRAIN	395330.00N/0754912.00W	580 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



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AIRPORT ELEVATION
36

FACILITY
RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TAA NA PER ATC REQUEST

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

PHL APP CON, PHL TOWER

WX SERVICE ASOS	LOCATION PHL	HRS OPERATION 24	ALTIMETER SOURCE PHL	DISTANCE	WMSCR Y	ADJUSTMENTS 0
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BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
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WX REMARKS:

NO BACK-UP ALTIMETER; REDUNDANT SOURCES ON AIRPORT.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW08 - HIRL, C/LINE	BSC-G	APPROACH, ROLL OUT
RW09L - MALSR, C/LINE, REIL, HIRL	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW09R - ALSF-2, C/LINE, HIRL, TDZ, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17 - MALSF, HIRL, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW26 - MALSR, C/LINE, HIRL, PAPI-4R	PIR-G	APPROACH, ROLL OUT
RW27L - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW27R - MALSR, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35 - HIRL, REIL, PAPI-4L	PIR-G	APPROACH, ROLL OUT

GLIDESLOPE ANGLE 3.00	ELEV RWY THRESHOLD 10.4	TCH 57.0	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE 3.00	TCH 80.7
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW -9C	CRITICAL HIGH +54C	ACT -9C	APT ISA +14.93C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1260.



AIRPORT ID
PHL

PROCEDURE NAME
RNAV (GPS) RWY 27R

AMDT NO.
2

CITY
PHILADELPHIA

STATE
PA

AIRPORT ELEVATION
36

FACILITY
RNAV

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

APPROACHES, LANDING OR CIRCLING TO RWY 08 NOT AUTHORIZED PER CHART SUPPLEMENT OBSTACLE 10 TERRAIN (42-130482) 395241.52N/0751350.60W (0.45).

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION.

WAIVER: REQUEST TO PUBLISH MANDATORY ALTITUDE 2000 FT AT IF AND IF SDF [FAAO 8260.19J, 8-6-11.N (1)].

ORDER 8260.3 CHAPTER 2 APPLIED TO 617 TOWER (34-000057) 395436.00N/0750559.00W.

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	2.93
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	255.57
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	0
DISTANCE FROM	THLD	TO 1500FT POINT	5.07
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	255.57
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	0

THRESHOLD COORDINATES (IF STR-IN)

395230.79N/0751322.43W

ARP COORDINATES

395219.50N/0751426.39W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 9R DISTANCE 1.73 NM

FAF COORDINATES

395401.83N/0750544.38W

FIX NAME COORDINATES

IF AGAYM 395456.47N/0750108.10W

REMARKS

PART E: PREPARED BY

NAME

GIORGIA FERREIRA

OFFICE

AJV-A4

DATE

09/10/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

