

**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> KPHL	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 9L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> PHILADELPHIA	<u>STATE</u> PA	
<u>AIRPORT ELEVATION</u> 36	<u>TDZE</u> 13	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 9L	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 03/25/2021	<u>MAG VAR</u> 12W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MXE VORTAC	IAF	QWEST		TF	FB	1.00	154.05	8.39	4000#
DQO VORTAC	IAF	QWEST		TF	FB	1.00	027.93	8.07	4000#
QWEST	IF	OBEKE		TF	FB	1.00	087.27	3.88	3000
OBEKE		ANNET		TF	FB	1.00	087.31	4.23	2100
ANNET	FAF	LANDI/2.20 NM TO RW9L		TF	FB	0.30	087.38	4.19	
LANDI/2.20 NM TO RW9L		RW9L	MAP	TF	FO	0.30	087.38	2.20	
RW9L	MAP	1500 MSL		CA			087.38		1500
1500 MSL		OOD VORTAC		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW9L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500, THEN CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. TERMINAL ROUTE OBEKE COURSE/DISTANCE CHANGED FROM 087.32/4.36 TO 087.31/4.23 - FAF (ANNET) RELOCATED.
2. TERMINAL ROUTE ANNET COURSE /DISTANCE CHANGED FROM 087.39/4.06 TO 087.38/4.19 - FAF (ANNET) RELOCATED.
3. LINE 3: DISTANCE FAF TO MAP/THLD CHANGED FROM 6.26 TO 6.39 - FAF (ANNET) RELOCATED.
4. LINE 5: DISTANCE TO HAT CHANGED FROM 250 HAT/.60 TO 200 HAT/.46 - HAT LOWERED FROM 250 TO 200.
5. LINE 6: TCH CHANGED FROM 57.8 TO 53.2 - MIRROR ILS, DESIGN TCH USED.
6. DELETED FAHRENHEIT VALUES IN BARO-VNAV NOTE - CRITERIA CHANGE.
7. ADDED NOTE: ## RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA - ALLOWED BY CRITERIA.
8. ADDED NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY TO RVR 4500, ALL CATS - TERPS TABLE 3-3-1.
9. DELETED NOTE DME/DME RNP-0.3 NA, ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS - CRITERIA CHANGE.
10. ELIMINATED 7:1 OBSTACLE (423 BRIDGE) FROM CONSIDERATION - NO GAIN TO MINIMA, NOW CONTROLLING OBSTACLE (420 MSL BRIDGE).
11. LPV DA/HAT LOWERED FROM 263/250 TO 213/200 - ALLOWED BY CRITERIA, APPROVED BY THE FPT.
12. LNAV/VNAV DA/HAT LOWERED FROM 471/458 TO 325/312, VISIBILITY LOWERED FROM RVR 5000 TO RVR 2400 - CRITERIA CHANGED 161' ROC USED, APPROVED BY FPT.
13. LNAV CAT D VISIBILITY LOWERED FROM RVR 5000 TO RVR 4000 - CHANGE TO TERPS TABLE 3-3-1.
14. MISSED APPROACH CHANGED FROM CLIMB TO 3000 DIRECT JALTO AND RIGHT TURN ON TRACK 191.36 TO ZURKU AND ON TRACK 253.50 TO OOD VORTAC AND HOLD TO CLIMB TO 1500, THEN CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD - ATC REQUEST.
15. FPAP LAT/LONG CHANGED FROM 395230.7940N/0751322.4295W TO 395230.7935N/0751322.4270W - TARGETS UPDATE.
16. VERTICAL ALERT LIMT (VAL) CHANGED FROM 50.0 TO 35.0 - LPV HAT LOWERED FROM 250 TO 200.
17. CRC REMAINDER CHANGED FROM A0178C40 TO B218E578 - CHANGES 5, 15, 16 ABOVE.
18. PROCEDURE INCORPORATES CHANGES MADE BY P-NOTAM - INCLUDE CHANGES FROM AMDT 1C.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDC, PHL APP CON, AMGR

FLIGHT CHECKED BY

JORGE A MALCUN

Digitally signed by

JON DENTON

Jan 19, 2022

OFFICE

FPO

DATE

01/12/2022

DEVELOPED BY

RICHARD K. CLARK JR.

Digitally signed by

RICHARD K CLARK-JR

Dec 20, 2021

OFFICE

AJV-A432

DATE

12/03/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Jan 19, 2022

OFFICE

AJV-A430

DATE

**TITLE
MANAGER**



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPHL
RUNWAY	RW09L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09B
LTP/FTP LATITUDE	395207.2580N
LTP/FTP LONGITUDE	0751520.3805W
LTP/FTP ELLIPSOIDAL HEIGHT	-00289
FPAP LATITUDE	395230.7935N
FPAP LONGITUDE	0751322.4270W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B218E578

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00040
FPAP ORTHOMETRIC HEIGHT	+00040

