

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 3000 ON TRACK 087.47 TO CUBUT AND ON TRACK 172.82 TO FIDAX AND ON TRACK 258.82 TO OOD VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 034.28 INBOUND. CHART FAS OBST: 146 BUILDING 395224N/0751629W, 105 TREE 395154N/0751611W. DISTANCE TO THLD FROM 369 HAT: 0.98 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S # TCH: 71.0 MSL (DO NOT CHART)						
DQO VORTAC (IAF)		DUWEE (TF) (FB) (RNP 1.00)		054.33 / 5.58				4000								
DUWEE		CHETM (TF) (FB) (RNP 1.00)		054.39 / 4.40				3000								
CHETM (IF)		HEPKA (TF) (FB) (RNP 1.00)		072.68 / 6.00				1500								
HEPKA (FAF)		RW09L (MAP) (TF) (FO) (RNP 0.30)		087.41 / 4.43												
RW09L (MAP)		CUBUT (TF) (FB) (RNP 1.00)		087.47 / 11.25												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT CHETM 3. FAC: 087.41 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: CHETM 3000, HEPKA 1500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: HEPKA 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 57.8 # 34:1 IS CLEAR 8. MSA FROM: RW09L 2600																
										MAG VAR: 12W EPOCH YEAR: 2020						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A								
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
AUTHORIZATION REQUIRED																
RNP 0.11 DA	382	3500	369	382	3500	369	382	3500	369	382	3500	369				
RNP 0.30 DA	434	4500	421	434	4500	421	434	4500	421	434	4500	421				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (10F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 6000 AND RNP 0.30 VISIBILITY ALL CATS TO 1 3/8 SM. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DQO VORTAC AIRWAY RADIALS 358 CW 110.																
CITY AND STATE		ELEVATION: 36 TDZE: 13				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
PHILADELPHIA, PA		AIRPORT NAME: PHILADELPHIA INTL						RNAV (RNP) Z RWY 9L, ORIG-D				AMDT: ORIG-C				
												DATED 05/29/2014				



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZNY ARTCC, PHL APP CON, PHL ATCT, AMGR</div>			
FLIGHT CHECKED BY					
NAME:		Digitally signed by		FIFO	
FLIGHT INSPECTION NOT REQUIRED-PROCESSED IAW FLIGHT INSPECTION TEAM (AJW-333) MEMO MAY 30, 2017		DONALD H LANIER		DATE:	
		Dec 28, 2017			
DEVELOPED BY					
NAME:		Digitally signed by		FIFO	
HERMAN C. ROGERS		HERMAN C ROGERS		DATE:	
		Dec 27, 2017		AJV-5432	
				06/22/2017	
APPROVED BY					
NAME:		Digitally signed by		FIFO	
PATRICK MULQUEEN		DONALD H LANIER		DATE:	
		MANAGER		AJV-5430	
		Dec 28, 2017			
CHANGES:					
1. CHANGED ALL HEADINGS, COURSES, AND TRACKS +2 DEGREES DUE TO AIRPORT MAGVAR UPDATE FROM 10W/1980 TO 12W/2020.					
2. CHANGED AIRPORT MAGVAR FROM 10W/1980 TO 12W/2020.					
3. DELETED PROFILE NOTE, "VGSI AND RNAV GLIDEPATH NOT COINCIDENT".					
4. CHANGED PROCEDURE ENTRY RESTRICTION RADIALS FROM "053 CW 080" TO "358 CW 110".					
REASONS:					
1. AIRPORT MAGVAR UPDATED FROM 10W/1980 TO 12W/2020.					
2. PER AIRPORT CAT II/III MAGVAR UPDATE INITIATIVE.					
3. NO VGSI.					
4. IAW 8260.19H, PAGE 8-6, PARA (E).					
ALL INFORMATION FROM MINOR AMENDMENTS (P-NOTAMS) ORIG-A, ORIG-B, ORIG-C WERE INCORPORATED IN THIS PROCEDURE. THIS DOES NOT COUNT AS A PERIODIC REVIEW.					
12/15/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/08/2017.					
1. IN TERMINAL ROUTE, CHANGED MAP FROM FB TO FO.					
2. ON LINE 7, ADDED 3.00 TO GS ANGLE.					
12/27/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/08/2017.					
1. ON LINE 4, ADDED HEPKA 1500 AFTER CHETM 3000.					
2. ON LINE 6, ADDED 1500 TO MIN GS INCPT.					
3. ADDED (RNP 0.30) TO TERMINAL ROUTES "TO" PORTION AFTER RW09L					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUBUT	FIDAX (TF) (FB) (RNP 1.00)	172.82 / 10.23	
FIDAX	OOD VORTAC (TF) (FO) (RNP 1.00)	258.82 / 17.94	3000

QUALITY
4
CHECKED

CITY AND STATE
PHILADELPHIA, PA

ELEVATION: 36 TDZE: 13
AIRPORT NAME:
PHILADELPHIA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 9L, ORIG-D

SUP:
AMDT: ORIG-C
DATED: 05/29/2014

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>
OTHER (specify) <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:					
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING				VDP NOT ESTABLISHED - RNP PROCEDURE.			
PHL TOWER PHL APP CON				N W S		OTHER: ASOS		SOURCE:KPHL				PRECIPITOUS TERRAIN EVALUATION COMPLETED.			
				F A A				DISTANCE:							
				A / C				HOURS REMOTE OPERATION: 0/YES							
SATISFACTORY ON:				LOCATION: KPHL				ADJUSTMENT: 0				3. REDUNDANT ON-FIELD ALTIMETER SOURCES AVAILABLE.			
X V H F		X U H F		H F						VGSI DATA: NONE					
4. MONITOR STATUS		PRIMARY NAVAID:										5. AIRSPACE: SEE ATTACHED AIRSPACE LETTER (FLOOR OF CONTROLLED AIRSPACE-700 FEET.			
		MONITOR POINT:													
		HRS OPTN:		CAT 1											
				CAT 3								ACT:-12.4C (SEE ATTACHED VEB SPREADSHEETS)			
5. APPROACH & RUNWAY LIGHTING		X		ALSF-2 09R										SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED (SAAAR) FAAO 8260.52 CRITERIA USED. *DE-ICER: RECEIVED VERIFICATION (2000-AEA-354-NRA), DE-ICER STATION, 1A AC.	
				(S) SALS											
		X		MALSF 17 MALSR 09L, 26, 27L, 27R											
		X		HIRL 08, 09L, 09R, 17, 26, 27L, 27R, 35											
				MIRL											
		X		REIL 09L											
		X		TDZ 09R											
		X		C/L 08, 09L, 09R, 17, 26, 27L, 27R, 35											
		X		OTHER (SPECIFY) PAPI-4R 09R, 26 PAPI-4L 17, 27L, 27R, 35										OBS #5: 42-002002, 1995-AEA-421-OE, 4D AC.	
6. RUNWAY MARKINGS		BASIC BSC-G 08										FIX NAMES: DUWEE AND CHETM REQUESTED BY ATC.			
		ALL WEATHER PIR-G 09L, 09R, 17, 26, 27L, 27R, 35													
		INSTRUMENT													
7. RUNWAY VISUAL RANGE		APPROACH 08, 09L, 09R, 17, 26, 27L, 27R, 35										FIX PLACEMENT AND ALTITUDE ASSIGNMENT SPECIFICALLY DESIGNED TO MEET CLASS B AIRSPACE CONTAINMENT.			
		MIDFIELD 09L, 09R, 27L, 27R													
		ROLL OUT 08, 09R, 26, 27L													
8. GLIDE PATH		GP ANGLE:						ELEV RWY THRESHOLD:13.2							
		DISTANCE FROM RWY:						ELEV GP ANTENNA:							
		THRESHOLD CROSSING HEIGHT:57.8													
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD						FT. FROM THRESHOLD			
				X		ON CENTERLINE						FT. FROM CENTERLINE			
10. WAIVERS: NONE														CONT.	
PART D - PREPARED BY: HERMAN C. ROGERS										DATE: 06/22/2017					
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5432					

QUALITY
4
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STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD																			
PART - A OBSTRUCTION DATA																			
1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.						
MISSED APPROACH		DA		RWY09L (40:1)							ASC								
(RNP 0.11)																			
MISSED APPROACH		RWY09L		CUBUT (40:1)							ASC	AC3							
(RNP 1.00)																			
MISSED APPROACH		CUBUT		FIDAX (40:1)							ASC								
(RNP 1.00)																			
MISSED APPROACH		FIDAX		OOD VORTAC		11. ATCT (42-020515)		395232.65N/0751445.43W		199 (1A)	ASC		3000						
(RNP 1.00)				LEVEL SURFACE		9. TOWER (34-000057)		395436.00N/0750559.00W		617 (4D)	1000	AC50	1700						
				AIRSPACE		10. TERRAIN		394730.00N/0745915.00W		197 (200)		AS 1500	1700						
MISSED APPROACH		DA		RWY09L (40:1)							ASC								
(RNP 0.30)																			
MISSED APPROACH		RWY09L		CUBUT (40:1)							ASC	AC3							
(RNP 1.00)																			
MISSED APPROACH		CUBUT		FIDAX (40:1)							ASC								
(RNP 1.00)																			
MISSED APPROACH		FIDAX		OOD VORTAC		8. BLDG (42-020811)		395223.90N/0751629.10W		146 (1A)	ASC		3000						
(RNP 1.00)				LEVEL SURFACE		9. TOWER (34-000057)		395436.00N/0750559.00W		617 (4D)	1000	AC50	1700						
				AIRSPACE		10. TERRAIN		394730.00N/0745915.00W		197 (200)		AS 1500	1700						
3. MISSED APPROACH		MAP:																	
		ELEV:																	
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL													
CATEGORY B		1.5 NM			450														
CATEGORY C		1.7 NM			450														
CATEGORY D		2.3 NM			550														
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES													PRIMARY NAVAID:						
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
CITY AND STATE				ELEVATION: 36				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
PHILADELPHIA, PA				AIRPORT NAME: PHILADELPHIA INTL				RNAV				RNAV (RNP) Z RWY 9L, ORIG-D				AEA			

QUALITY
4

CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:					N W S	OTHER:		SOURCE:			
					F A A			DISTANCE:			
					A / C			HOURS REMOTE OPERATION:			
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS	CAT 1								
		OPTN:	CAT 3								
5. APPROACH & RUNWAY LIGHTING			ALS								
			(S) SALS								
			MALS								
			HIRL								
			MIRL								
			REIL								
			TDZ								
			C/LINE								
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER									
		INSTRUMENT									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
						THRESHOLD CROSSING HEIGHT:					
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD		
				ON CENTERLINE					FT. FROM CENTERLINE		
10. WAIVERS:											
PART D - PREPARED BY:										DATE:	
TITLE:										OFFICE:	