

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	RNAV - 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.
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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CASUB (IAF)	BIRKE (NOPT) (FB)	177.33 / 5.23	2600	LPV: DA LNAV/VNAV: DA LNAV: RW24
WARRD (IAF)	BIRKE (NOPT) (FB)	301.14 / 8.98	2600	
BIRKE (IF/IAF)	ZERPO (FB)	238.61 / 6.03	1900	CLIMB TO 2700 DIRECT ZUBAX AND HOLD.
ZERPO (FAF)	FEMVU/2.50 NM TO RW24 (FB)	238.54 / 2.69		
FEMVU/2.50 NM TO RW24	RW24 (MAP) (FO)	238.54 / 2.50		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 058.37 INBOUND. CHART FAS OBST: 346 TOWER 401755N/0744754W CHART FAS OBST: 370 TOWER 401633N/0744812W DISTANCE TO THLD FROM 387 HATH: 1.04 NM. CHART VDP AT 1.21 MILES TO RW24* *LNAV ONLY. WAAS CHANNEL # 97530 REFERENCE PATH ID: W24A CHART CIRCLING ICON LTP HAE: 25.1 M
RW24 (MAP)	579 MSL	238.54		
579 MSL	ZUBAX (FO)		2700	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE BIRKE, RT, 238.61 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 238.54 FAF: ZERPO DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: BIRKE 2600, ZERPO 1900, FEMVU/2.50 NM TO RW24 1020*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1900 GS ALT AT: ZERPO 1900 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW24 2600

MAG VAR: 12W EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
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
LPV DA	579	1 1/4	387	579	1 1/4	387	579	1 1/4	387	579	1 1/4	387			
LNAV/VNAV DA	630	1 1/2	438	630	1 1/2	438	630	1 1/2	438	630	1 1/2	438			
LNAV MDA	620	1	428	620	1	428	620	1 1/4	428	620	1 1/4	428			
CIRCLING	680	1	467	680	1	467	760	1 1/2	547	960	2 1/2	747			

NOTES:
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT.
 CHART NOTE: BARO-VNAV NA WHEN USING NORTHEAST PHILADELPHIA ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13C (8F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 (SEE FORM 8260-10)

@ CAT D 800-2 1/2
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 213 THRE: 192	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: TRENTON MERCER		RNAV (GPS) Z RWY 24, AMDT 1 12 DECEMBER 2013	AMDT: ORIG
				DATED 09/20/2012



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RNAV - STANDARD
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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTHEAST PHILADELPHIA ALTIMETER

SETTING: INCREASE LPV DA TO 626 AND LNAV/VNAV DA TO 677 FT AND ALL VISIBILITIES 1/8 MILE;

INCREASE ALL MDA 60 FT AND LNAV CATS C AND D VISIBILITIES 1/8 MILE AND CIRCLING VISIBILITY CAT C 1/4 MILE.

CHART NOTE: VDP NA WITH NORTHEAST PHILADELPHIA ALTIMETER SETTING.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAARD ON V213 SOUTHBOUND.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT CASUB.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTTN
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	401651.9810N
LTP/FTP LONGITUDE	0744821.4910W
LTP/FTP ELLIPSOIDAL HEIGHT	+00251
FPAP LATITUDE	401550.5840N
FPAP LONGITUDE	0744945.9050W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

CE9499F1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00585
FPAP ORTHOMETRIC HEIGHT	+00585

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTTNK6FR24-Z	ABIRKE	010BIRKEK6EA0EE	AR	HF		23860040	+	02600	18000		A	JS
SUSAP	KTTNK6FR24-Z	ACASUB	010CASUBK6EA0E	A	IF					18000		A	JS
SUSAP	KTTNK6FR24-Z	ACASUB	020BIRKEK6EA0EE	B	010TF		17730052	+	02600			A	JS
SUSAP	KTTNK6FR24-Z	AWARRD	010WARRDK6EA0E	A	IF					18000		A	JS
SUSAP	KTTNK6FR24-Z	AWARRD	020BIRKEK6EA0EE	B	010TF		30110090	+	02600			A	JS
SUSAP	KTTNK6FR24-Z	R	010BIRKEK6EA0E	I	IF			+	02600	18000		A	JS
SUSAP	KTTNK6FR24-Z	R	020ZERPOK6EA1E	F	051TF		23860060	+	01900		RW24	K6PGA	JS
SUSAP	KTTNK6FR24-Z	R	020ZERPOK6EA2	WALPV		ALNAV/VNAV	ALNAV						JS
SUSAP	KTTNK6FR24-Z	R	021FEMVUK6EA0E	S	031TF		23850027	V	0102001043		-300		A
SUSAP	KTTNK6FR24-Z	R	030RW24	K6PGOGY	M	031TF	23850025				-300		A
SUSAP	KTTNK6FR24-Z	R	040		M	CA	2385	+	00579				A
SUSAP	KTTNK6FR24-Z	R	050ZUBAXK6EA0EY		DF			+	02700				A
SUSAP	KTTNK6FR24-Z	R	060ZUBAXK6EA0EE	R	HM		05840040	+	02700				A

[illegible][illegible]

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MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KTTNK6SRW24 K6PG 0 18018002625 M

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BIRKE	BIRKE	010	IAF	HF	R	FO		238.6(226.6T)	004.0	AA 02600	
	CASUB	CASUB	010	IAF	IF		FB					
	CASUB	BIRKE	020		TF		FB	1.0	177.3(165.3T)	005.2	AA 02600	
	WARRD	WARRD	010	IAF	IF		FB					
	WARRD	BIRKE	020		TF		FB	1.0	301.1(289.1T)	009.0	AA 02600	
		BIRKE	010	FACF	IF		FB				AA 02600	
		ZERPO	020	PAF	TF		FB	0.5	238.6(226.6T)	006.0	AA 01900	
		FEMVU	021	SDF	TF		FB	0.3	238.5(226.5T)	002.7	AA 01020	GS 01043
		RW24	030	MAP	TF		FO	0.3	238.5(226.5T)	002.5	AT 00247	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		238.5(226.5T)		AA 00579	
	ZUBAX	050		DF		FO				AA 02700	
	ZUBAX	060		HM	R	FO		058.4(046.4T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIRKE	N402435.30	W0743742.32	N4024.588	W07437.705
	CASUB	N402938.93	W0743926.30	N4029.649	W07439.438
	FEMVU	N401835.30	W0744559.29	N4018.588	W07445.988
	WARRD	N402139.11	W0742636.09	N4021.652	W07426.602
	ZERPO	N402026.45	W0744326.10	N4020.441	W07443.435
	ZUBAX	N400824.64	W0745957.05	N4008.411	W07459.951
	RW24	N401651.98	W0744821.49	N4016.866	W07448.358

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00192	55

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