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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HILOG (IF)	SICOB (TF) (FB) (RNP 1.00)	248.44 / 3.82	2300
SICOB	COPIX (RF) (FB) (RNP 1.00)	(2.65 NM RADIUS CCW (CFFHG))/8.79	1900
HAMMA (IF)	KULPE (TF) (FB) (RNP 1.00)	237.06 / 4.99	2300
KULPE	COPIX (RF) (FB) (RNP 1.00)	(2.65 NM RADIUS CW (CFFHH))/8.39	1900
ZUBAX (IF)	COPIX (TF) (FB) (RNP 1.00)	058.37 / 6.00	1900
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 2600 DIRECT BIRKE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 238.61 INBOUND.
CHART FAS OBST: 256 TREE 401557N/0744957W
CHART FAS OBST: 287 TREE 401600N/0745033W
DISTANCE TO THLD FROM 324 HATH: 0.83 NM.
#TCH 220 FT MSL (DO NOT CHART)
ROUTE TYPE QUALIFIER1: F
ROUTE TYPE QUALIFIER2: S
ROUTE TYPE; A, H

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT COPIX
3. FAC: 058.43 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: COPIX 1900
5. DIST TO THLD FROM OM: 5.27 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: COPIX 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 59.9# 34:1 IS CLEAR
8. MSA FROM: RW06 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
AUTHORIZATION REQUIRED															
RNP 0.10 DA	484	1/2	324	484	1/2	324	484	1/2	324	484	1/2	324			
RNP 0.30 DA	642	1 1/8	482	642	1 1/8	482	642	1 1/8	482	642	1 1/8	482			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -13C (8F) OR ABOVE 54C (130F).
CHART NOTE: GPS REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE AT SICOB : MAX 210 KIAS.
(SEE FORM 8260-10)

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 212 THRE: 160	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: TRENTON MERCER		RNAV (RNP) Y RWY 6, ORIG-A	AMDT: ORIG
				DATED 09/20/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **ZNY, PHL APP CON TTN ATCT**

FLIGHT CHECKED BY		
NAME: **MARTIN JOSEPH TOWEY**	FIFO **FIOG**	DATE: **08/09/2012**
DEVELOPED BY		
NAME: **JAMES M. DUBOIS**	FIFO **AJV-352**	DATE: **08/27/2012**
APPROVED BY		
NAME: **DARRYEL ADAMS** **MANAGER**	FIFO **AJV-352**	DATE:

CHANGES:

1. UPDATE ARINC CODING.

REASONS:

1. CODING ERROR.

PDF EDIT: TERMINAL ROUTE COPIX TO RW06 (MAP) (TF)(FO) ADDED (FAF) TO FROM COLUMN. TERMINAL ROUTE DA(MAP) TO BIRKE (DF)(FO)(RNP 1.00) CHANGED DA TO RW06 IN FROM COLUMN. LINE 1 DELETED NA FROM PT. LINE 5 ADDED 5.27 TO DIST TO THLD FROM OM. LINE 7 ADDED # AFTER 59.9.

QUALITY 4 CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
COPIX (FAF)	RW06 (MAP) (TF) (FO)	058.43 / 5.27	
RW06 (MAP)	BIRKE (DF) (FO) (RNP 1.00)		2600

NOTES, (CONT.):
CHART PLANVIEW NOTE AT KULPE : MAX 210 KIAS.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.10 DA ALL CATS VISIBILITY TO 1 MILE, INCREASE RNP 0.30 DA ALL CATS VISIBILITY TO 1 3/8 MILE.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 212 THRE: 160	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: TRENTON MERCER	RNAV	RNAV (RNP) Y RWY 6, ORIG-A	AMDT: ORIG
				DATED: 09/20/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR 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.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BIRKE K60    W     N40243530W074374232                      W0126     NAR           BIRKE
        SUSAEAENRT   CFFHG K60    W     N40142815W074564036                      W0124     NAR           CNF(CFFHG)
        SUSAEAENRT   CFFHH K60    W     N40103760W074515426                      W0124     NAR           CNF(CFFHH)
        SUSAEAENRT   COPIX K60    C     N40123290W074541724                      W0124     NAR           COPIX
        SUSAEAENRT   HAMMA K60    W     N40121684W074445119                      W0125     NAR           HAMMA
        SUSAEAENRT   HILOG K60    W     N40184758W074542572                      W0125     NAR           HILOG
        SUSAEAENRT   KULPE K60    W     N40084508W074492761                      W0125     NAR           KULPE
        SUSAEAENRT   SICOB K60    W     N40164069W074583529                      W0124     NAR           SICOB
        SUSAEAENRT   ZUBAX K60    C     N40082464W074595705                      W0124     NAR           ZUBAX

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6ATTN     0     060YHN40163609W074484849W012000212         1800018000C    MNAR    TRENTON MERCER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6FH06-Y AHAMMA 010HAMMAK6EA0E  B    IF                                          18000                A FS
        SUSAP KTTNK6FH06-Y AHAMMA 020KULPEK6EA0E    010TF                                    + 02300          210        A-FS
        SUSAP KTTNK6FH06-Y AHAMMA 030COPIXK6EA0EE  R010RF       0026502371    05840084    + 01900                 CFFHH K6EAA FS
        SUSAP KTTNK6FH06-Y AHILOG 010HILOGK6EA0E  B    IF                                          18000                A FS
        SUSAP KTTNK6FH06-Y AHILOG 020SICOBK6EA0E    010TF                                    + 02300          210        A-FS
        SUSAP KTTNK6FH06-Y AHILOG 030COPIXK6EA0EE  L010RF       0026502484    05840088    + 01900                 CFFHG K6EAA FS
        SUSAP KTTNK6FH06-Y AZUBAX 010ZUBAXK6EA0E  B    IF                                          18000                A FS
        SUSAP KTTNK6FH06-Y AZUBAX 020COPIXK6EA0EE   010TF                                    + 01900                      A FS
        SUSAP KTTNK6FH06-Y H      020COPIXK6EA1E  F    IF                                    + 01900     18000       RW06  K6PGA FS
        SUSAP KTTNK6FH06-Y H      020COPIXK6EA2W                                                  A031A011                   FS
        SUSAP KTTNK6FH06-Y H      030RW06 K6PG0GY M 031TF                                      00220            -300        A FS
        SUSAP KTTNK6FH06-Y H      040BIRKEK6EA0EYM  010DF                                    + 02600                      A FS
        SUSAP KTTNK6FH06-Y H      050BIRKEK6EA0EE  R   HM                          23860040    + 02600                      A FS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6GRW06    0060060585 N40161111W074491768+0500    +0015400160000060150IITTN1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6SRW06 K6PG                0   18018002625                                                                        M
```

CITY AND STATE	ELEVATION: 212 THRE: 160	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: **TRENTON MERCER**	**RNAV**	**RNAV (RNP) Y RWY 6, ORIG-A**	AMDT: **ORIG**
				DATED: **09/20/2012**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HAMMA	HAMMA	010		IF		FB					
	HAMMA	KULPE	020		TF		FB	1.0			AA 02300	AB 210
	HAMMA	COPIX	030		RF	R	FB	1.0		008.4	AA 01900	
	HILOG	HILOG	010		IF		FB					
	HILOG	SICOB	020		TF		FB	1.0			AA 02300	AB 210
	HILOG	COPIX	030		RF	L	FB	1.0		008.8	AA 01900	
	ZUBAX	ZUBAX	010		IF		FB					
	ZUBAX	COPIX	020		TF		FB	1.0			AA 01900	
		COPIX	020	FAF	IF		FB				AA 01900	
		RW06	030	MAP	TF		FO	0.3			AT 00220	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BIRKE	040		DF		FO	1.0			AA 02600	
	BIRKE	050		HM	R	FO		238.6(226.6T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIRKE	N402435.30	W0743742.32	N4024.588	W07437.705
	CFFHG	N401428.15	W0745640.36	N4014.469	W07456.673
	CFFHH	N401037.60	W0745154.26	N4010.627	W07451.904
	COPIX	N401232.90	W0745417.24	N4012.548	W07454.287
	HAMMA	N401216.84	W0744451.19	N4012.281	W07444.853
	HILOG	N401847.58	W0745425.72	N4018.793	W07454.429
	KULPE	N400845.08	W0744927.61	N4008.751	W07449.460
	SICOB	N401640.69	W0745835.29	N4016.678	W07458.588
	ZUBAX	N400824.64	W0745957.05	N4008.411	W07459.951
	RW06	N401611.11	W0744917.68	N4016.185	W07449.295

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00160	60

QUALITY CHECKED

CITY AND STATE	ELEVATION: 212 THRE: 160	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: TRENTON MERCER	RNAV	RNAV (RNP) Y RWY 6, ORIG-A	AMDT: ORIG
				DATED: 09/20/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	HILOG	SICOB	1. AAO	401927.00N/0745400.00W	663 (3E)	500	AC76 AT1061	2300
			2. TERRAIN	401927.00N/0745400.00W	463 (500)		AS1500	2000
INTERMEDIATE:	SICOB	COPIX	3. AAO	401806.00N/0745751.00W	627 (3E)	500	AC76 VEB264	1500
STEPDOWN			4. TERRAIN	401806.00N/0745751.00W	427 (400)		AS1500	1900
INTERMEDIATE	HAMMA	KULPE	5. TANK (42-006250)	400856.00N/0745230.00W	205 (8H)	500	AC1000 AT595	2300
			6. TERRAIN	401251.00N/0744748.00W	164 (200)		AS1500	1700
INTERMEDIATE:	KULPE	COPIX	7. TANK (42-006329)	400753.00N/0744911.00W	150 (8H)	500	VEB244 AC1000	1900
STEPDOWN			8. TERRAIN	401430.00N/0745445.00W	289 (300)		AS1500	1800
INTERMEDIATE	ZUBAX	COPIX	9. AAO	400909.00N/0750239.00W	509 (3E)	500	VEB167 AC76 DG648	1900
			10. TERRAIN	400909.00N/0750239.00W	309 (300)		AS1500	1800
FINAL: RNP 0.30	COPIX	RW06	11. TREE	401600.00N/0745033.00W	287 (3E)	21.48:1	AC76	642/482
FINAL: RNP 0.10	COPIX	RW06	12. TREE (34-021015)	401556.62N/0744957.11W	256 (1A)	21.52:1	AC3 MA324	484/324
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA	BIRKE				ASC		2600
			14. TANK (34-000919)	402404.00N/0743851.00W	270 (8H)	1000	AC1000	2300
ELEV:	319/243		15. TERRAIN	402154.00N/0744324.00W	476 (500)		AS1500	2000

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
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: RW06

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (42-002870)	246/ 23.5	1548 (2C)	2600					

QUALITY CHECKED 4

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
TRENTON, NJ	ELEVATION: 212 AIRPORT NAME: TRENTON MERCER	RNAV	RNAV (RNP) Y RWY 6, ORIG-A	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
TTN TOWER PHL APP CON		N W S	OTHER: ASOS	SOURCE: KTTN / KPNE
		F A A		DISTANCE: 0 / 14.78
		A / C		HOURS REMOTE OPERATION:
SATISFACTORY ON:				
X V H F	X U H F	H F	LOCATION: KTTN	ADJUSTMENT: 0 / 0

4. MONITOR STATUS		
PRIMARY NAVAID:		
MONITOR POINT:		
HRS OPTN:	CAT 1	
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 06 (PCL)
X	HIRL 16 (PCL), 24 (PCL), 34 (PCL), 06 (PCL)
	MIRL
X	REIL 16 (PCL), 24 (PCL), 34 (PCL)
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4L 16, 24 (PCL), 34 (PCL)

6. RUNWAY MARKINGS		
BASIC		
ALL WEATHER	PIR-G 24, 06	
INSTRUMENT	NPI-G 16, 34	

7. RUNWAY VISUAL RANGE
APPROACH
MIDFIELD
ROLL OUT

8. GLIDE PATH		
GP ANGLE: 3.00		ELEV RWY THRESHOLD: 160.3
DISTANCE FROM RWY:		ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 59.9

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY:	DATE:
JAMES M. DUBOIS	08/27/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

ISA DEVIATION USED: -27.95C (-18.31F)

VDP NOT ESTABLISHED - RNP PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RF TURN DATA:
SEGMENT / TR / BA / MAX ALT / KIAS / KTAS / HAA / VKTW
SICOB-COPIX / 2.65NM (16102FT) / 24.08 / 4097 / 210 / 229.1 / 1688 / 56
KULPE-COPIX / 2.65NM (16102FT) / 24.03 / 3998 / 210/ 228.7 / 1688 / 56

SEE ATTACHED AIRSPACE LETTER.

MAX SPEED SICOB TO COPIX - 210 KIAS.
MAX SPEED KULPE TO COPIX - 210 KIAS.

ASOS ON SERVICE A.

ASSUMED CANOPY HEIGHT 100 FT USED PER FTP.

ALL SEGMENTS DESIGNED AS PER ATC AND FTP REQUEST.

ALL OBSTACLE ACCURACY CODES DERIVED FROM IPDS ACCURACY DATA, ROUNDED UP.

ACT= -13.37C (7.94F)
AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY 2007-2011.

QUALITY & CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BIRKE **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 402435.30N/0743742.32W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

INFO ONLY

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE		WP	058.61	238.61	R		4	2600	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	402718.00N/0744327.00W	788	3E

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Z RWY 24		1	KTTN	TRENTON	NJ (US)
IAP	RNAV (RNP) Y RWY 6		1	KTTN	TRENTON	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/24/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (SHAWN REDDINGER)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON, TTN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: CFFHG **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401428.15N/0745640.36W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/22/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (SHAWN REDDINGER)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON, TTN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFFHH **STATE:** PA **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 401037.60N/0745154.26W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/23/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (SHAWN REDDINGER)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON, TTN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COPIX **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401232.90N/0745417.24W **TYPE:** WP, INT

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TRENTON	I-TTN	LOC		238.48	226.48		6.32	38407	1900	4600
2	MC GUIRE	GXU	VORTAC	L	322.25	310.25		18.57		1900	4600

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
MC GUIRE (FAC 2) AND TRENTON (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 6	1, 2		KTTN	TRENTON	NJ (US)
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
DELETED FAC 3.

DEVELOPED BY: **DATE:** 08/27/2012 **OFFICE:** AJV-352 **NAME:** JAMES DUBOIS

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON, TTN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HAMMA **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 401216.84N/0744451.19W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

INFO ONLY

REMARKS:
.54A L-V FORMULA USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 34			KTTN	TRENTON	NJ (US)
IAP	RNAV (RNP) Y RWY 24			KTTN	TRENTON	NJ (US)
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 310.54FT
REMOVED PAT 1 (NO LONGER USED)
REMOVED FAC1 AND FAC2
UPDATED FIX USE

DEVELOPED BY: **DATE:** 03/21/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (DAVID TEFFETELLER)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON TTN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HILOG **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401847.58N/0745425.72W **TYPE:** WP

Info Only

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			K39N	PRINCETON/ROCKY HILL	NJ (US)
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/11/2010

REASON FOR REVISION:
DELETED FIX MAKE-UP FACILITY.
UPDATED FIX USE.
FPO INFORMATION CHANGED FROM NYC TO EST.

DEVELOPED BY: **DATE:** 09/11/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (DAVID JENNER)

APPROVED BY: **DATE:** 01/15/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NY TRACON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KULPE **STATE:** PA **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 400845.08N/0744927.61W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/24/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (SHAWN REDDINGER)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON, TTN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: SICOB **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401640.69N/0745835.29W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/22/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (SHAWN REDDINGER)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON, TTN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: ZUBAX **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 400824.64N/0745957.05W **TYPE:** WP, INT

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TRENTON	I-TTN	LOC		238.48	226.48		12.32		2700	4600
2	MC GUIRE	GXU	VORTAC	L	305.03	293.03		20.13		2700	4600
3	YARDLEY	ARD	VOR/DME	L	221.85	211.85		7.98		2700	4600

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW		WP	238.37	058.37	R		4	2700	6000	5	6
2	SW	I-TTN	LOC	238.48	058.48	R	1		2700	4600	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-001090)	400832.00N/0750623.00W	590	5D
2	200	TOWER (42-001090)	400832.00N/0750623.00W	590	5D

REMARKS:
TRENTON (FAC 1) AND MC GUIRE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 6	1, 2	2	KTTN	TRENTON	NJ (US)
IAP	RNAV (GPS) RWY 16		1	KTTN	TRENTON	NJ (US)
IAP	RNAV (GPS) RWY 34		1	KTTN	TRENTON	NJ (US)
IAP	RNAV (GPS) Z RWY 24		1	KTTN	TRENTON	NJ (US)
IAP	RNAV (GPS) Z RWY 6		1	KTTN	TRENTON	NJ (US)
IAP	RNAV (RNP) Y RWY 24		1	KTTN	TRENTON	NJ (US)
IAP	RNAV (RNP) Y RWY 6			KTTN	TRENTON	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/20/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (SHAWN REDDINGER)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PHL APP CON, TNN ATCT
OTHER:

QUALITY CHECKED