Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 08/20/2007	Task #: 2006121313410903001	Request #: 20061213134109
Procedure: NDB RWY 6 AMDT 7		Airport ID: KTTN	Airport: TRENTON MERCER		Reimbursable #:
City: TRENTON	ST: NJ	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID: TNTTN	Fac. Type: NDB/C	Specialist: TERENCE SHARP			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	02/24/2012	05/25/2012	STEVEN SZUKALA	
QA:	05/25/2012	05/25/2012	STEVEN SZUKALA	
Liaison:	05/25/2012		Alfonso	ELECTRONIC FILE

P1

Procedure Comments:

Remark Type: INFORMATION

Pg 3 of 3

TRENTON, NJ TRENTON MERCER (KTTN) NDB RWY 6, AMDT 7 ENROUTE-NO FC: 8.7.12 PUB : 9.20.12

ATTACHED FORMS: 8260-5; 8260-10; 8260-9; 8260-2(S): SOMTO-INT, REV 6; TRENN (TT) LOM, REV 2; (INFO ONLY) MAZIE-INT, REV 10; YARDLEY (ARD) VDME, REV 19.

CONTACT: DON SMITH, AJV-352 LEAD, 405.954.1036:

NDB RWY 6

TRENTON MERCER (TTN)

LOM TT	APP CRS	Rwy Idg	6006
369	058°	THRE	160
		Apt Elev	212

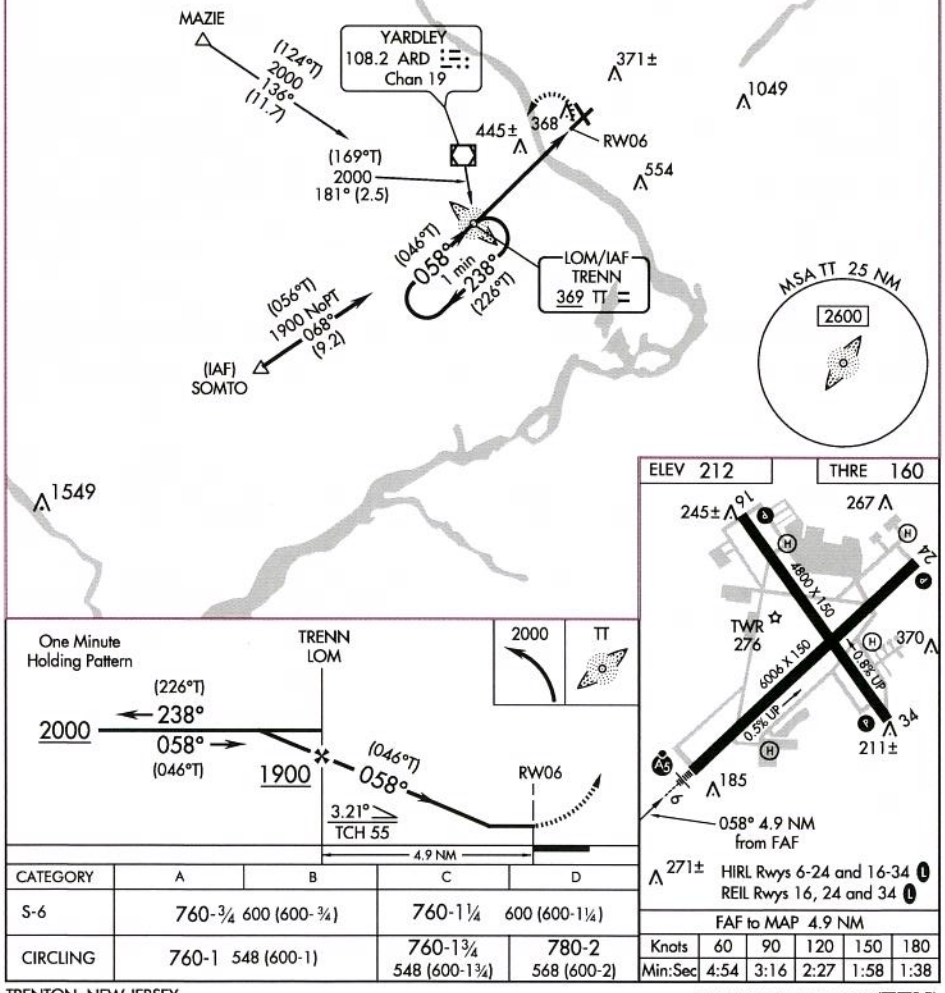
When VGSI inop, Circling Rwy 34 NA at night. When local altimeter setting not received, use Northeast Philadelphia altimeter setting and increase all MDA 40 feet, and increase S-6 Cat C/D visibility ⅛ mile.

MALSR

MISSED APPROACH: Climbing left turn to 2000 direct TRENN LOM and hold.

ATIS	PHILADELPHIA APP CON	TRENTON TOWER★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) 257.8	121.9 257.8	121.9 257.8	122.95

PROTOTYPE-NOT FOR NAVIGATION



CATEGORY	A	B	C	D
S-6	760-¾ 600 (600-¾)		760-1¼ 600 (600-1¼)	
CIRCLING	760-1 548 (600-1)		760-1¾ 548 (600-1¾)	780-2 568 (600-2)

FAF to MAP 4.9 NM

Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

OLD

TRENTON, NEW JERSEY

AL-982 (FAA)

NDB or GPS RWY 6

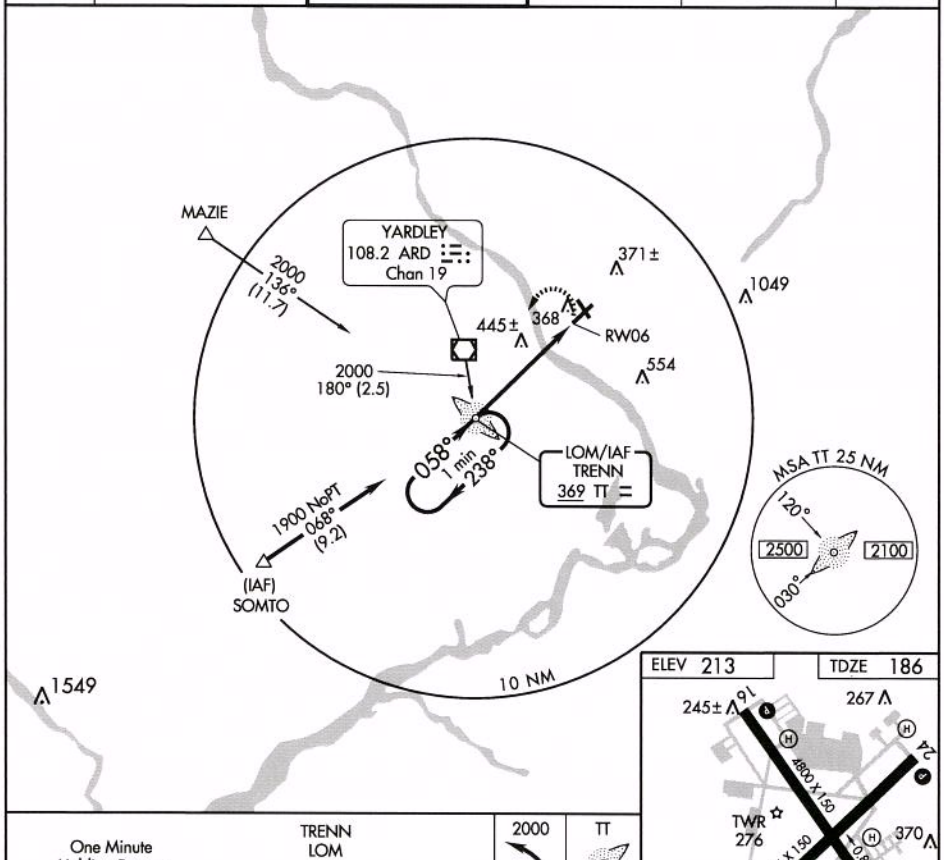
TRENTON MERCER (TTN)

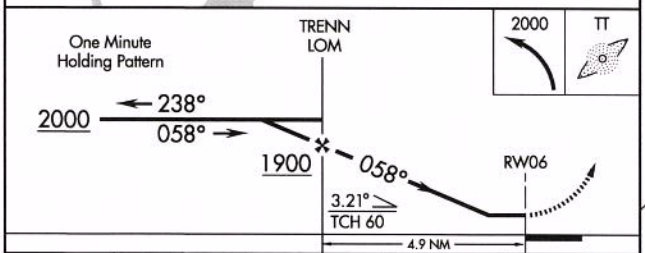
LOM TT	APP CRS	Rwy Idg	6006
369	058°	TDZE	186
		Apt Elev	213

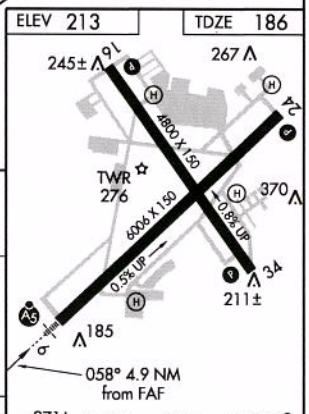
MALSR

MISSED APPROACH: Climbing left turn to 2000 direct TT LOM and hold.

ATIS	PHILADELPHIA APP CON	TRENTON TOWER★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) L 257.8	121.9 257.8	121.9 257.8	122.95







271± HIRL Rwys 6-24 and 16-34 L
REIL Rwys 16, 24 and 34 L

CATEGORY	A	B	C	D
S-6	740- ¾ 554 (600- ¾)		740-1 554 (600-1)	740-1½ 554 (600-1½)
CIRCLING	740-1 527 (600-1)		740-1½ 527 (600-1½)	780-2 567 (600-2)

FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

TRENTON, NEW JERSEY

Amdt 6A 11069

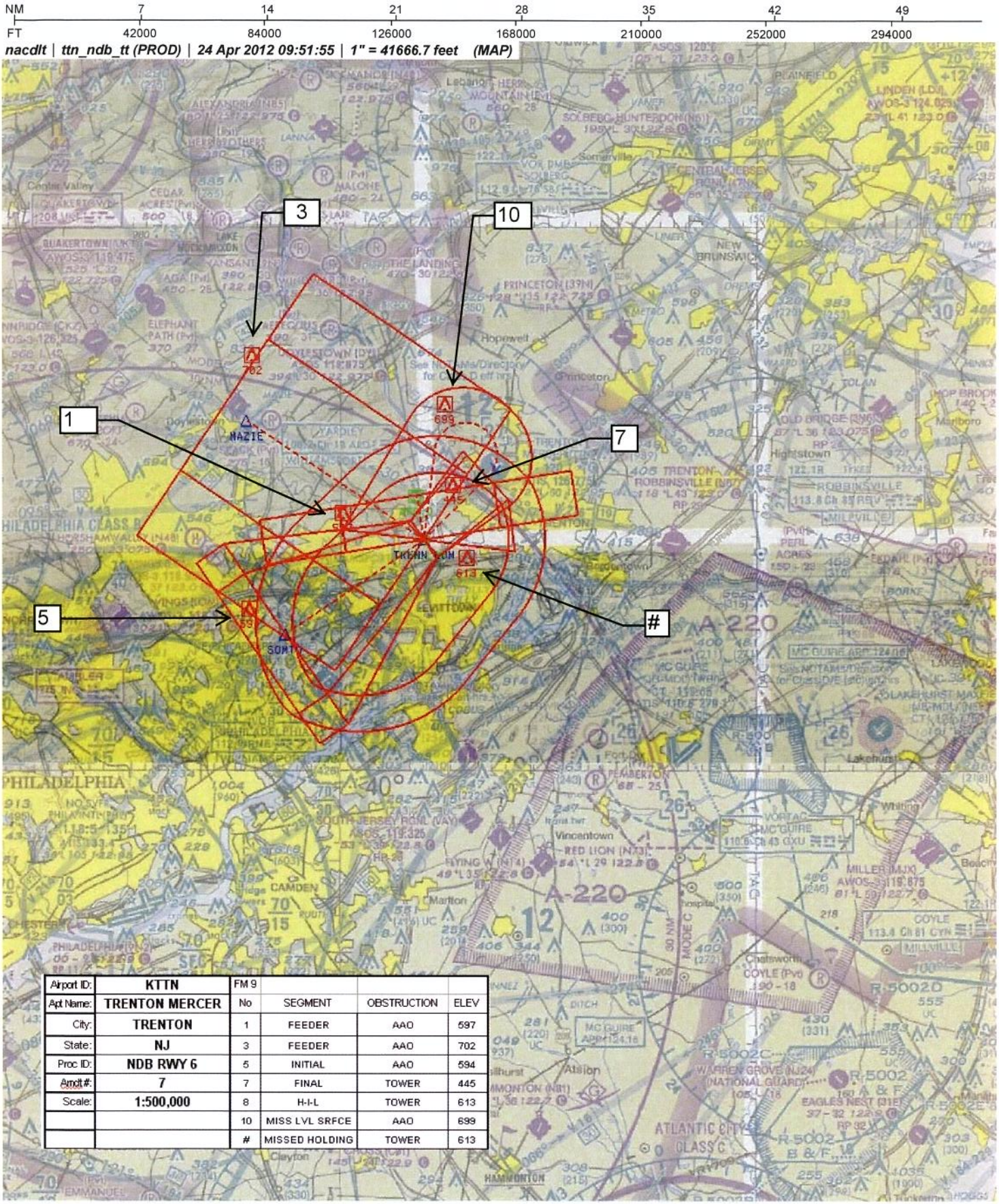
40°17'N - 74°49'W

TRENTON MERCER (TTN)

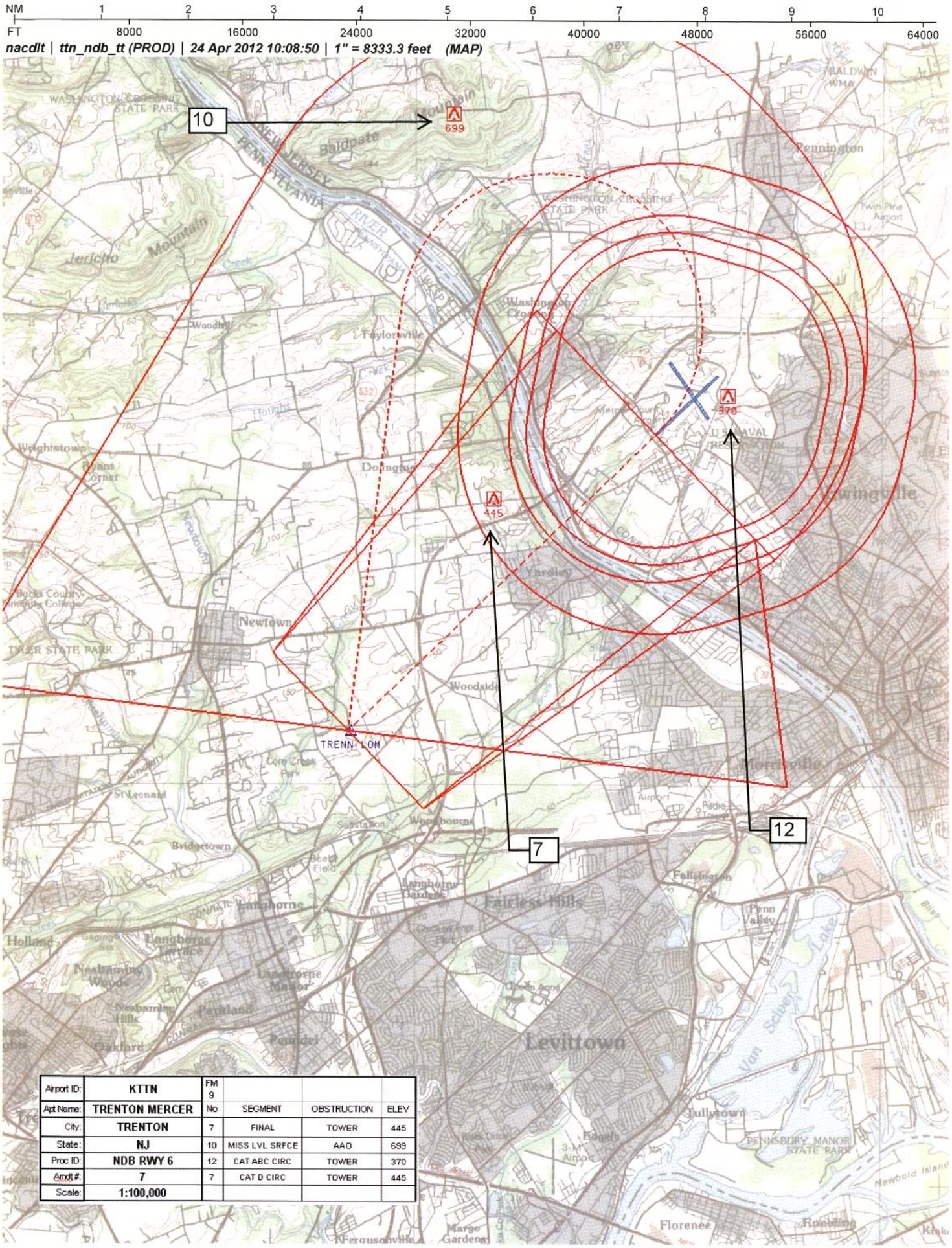
NDB or GPS RWY 6

NE-2, 08 MAR 2012 to 05 APR 2012

NE-2, 08 MAR 2012 to 05 APR 2012



Airport ID:	KTTN	FM 9			
Apt Name:	TRENTON MERCER	No	SEGMENT	OBSTRUCTION	ELEV
City:	TRENTON	1	FEEDER	AAO	597
State:	NJ	3	FEEDER	AAO	702
Proc ID:	NDB RWY 6	5	INITIAL	AAO	594
Amdt #:	7	7	FINAL	TOWER	445
Scale:	1:500,000	8	H-I-L	TOWER	613
		10	MISS LVL SRFCE	AAO	699
		#	MISSED HOLDING	TOWER	613



Airport ID:	KTTN	FM 9			
Apt Name:	TRENTON MERCER	No	SEGMENT	OBSTRUCTION	ELEV
City:	TRENTON	7	FINAL	TOWER	445
State:	NJ	10	MISS LVL SRFCE	AAO	699
Proc ID:	NDB RWY 6	12	CAT ABC CIRC	TOWER	370
Amdt #:	7	7	CAT D CIRC	TOWER	445
Scale:	1:100,000				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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
ARD VOR/DME	TRENN LOM	180.95 / 2.47	2000
MAZIE INT	TRENN LOM	136.22 / 11.69	2000
SOMTO INT (IAF)	TRENN LOM (NOPT)	067.65 / 9.17	1900

MISSED APPROACH

MAP: 4.94 MILES AFTER TRENN LOM

CLIMBING LEFT TURN TO 2000 DIRECT TRENN LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 445 TOWER 401521N/0745144W
TRENN LOM TO RW06: 3.21/55.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW TRENN LOM, RT, 058.12 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 058.12 FAF TRENN LOM DIST FAF TO MAP 4.94 THLD 4.94
4. MIN. ALT TRENN LOM 1900
8. MSA FROM: TRENN LOM 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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-6	760	3/4	600	760	3/4	600	760	1 1/4	600	760	1 1/4	600			
CIRCLING	760	1	548	760	1	548	760	1 3/4	548	780	2	568			

NOTES:

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTHEAST PHILADELPHIA ALTIMETER SETTING AND INCREASE ALL MDA 40FT, AND INCREASE S-6 CAT C/D VISIBILITY 1/8 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
@ NA WHEN CONTROL TOWER CLOSED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 212 THRE: 160 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
TRENTON, NJ	TRENTON MERCER	TT	NDB RWY 6, AMDT 7	SUP NDB OR GPS RWY 6 / AMDT 6A / DATE 10/07/1999

FAA FORM 8260-5 / April 2006 (computer generated)

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ARPT MNGR, TTN ATCT, PHL APP CON, ZDC

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
TERENCE D. SHARP (DAVID TEFFETELLER)	AJV-351	03/12/2012

APPROVED BY

NAME:		FIFO	DATE:
DARRYEL ADAMS	MANAGER	AJV-352	

CHANGES:

1. CHANGED PROCEDURE NAME FROM NDB OR GPS RWY 6 TO NDB RWY 6
2. CHANGED ARD VORTAC FEEDER COURSE AND DISTANCE FROM 181/2.5 TO 180.98/2.47
3. CHANGE MAZIE FEEDER COURSE AND DISTANCE FROM 136/11.7 TO 136.22/11.69
4. CHANGED SOMTO INITIAL COURSE AND DISTANCE FROM 068/9.2 TO 067.65/9.17
5. CHANGED FINAL COURSE AND LENGTH FROM 058.00/4.9 TO 058.12/4.94
6. CHANGED S-06 ALL CATS MDA FROM 740 TO 760
7. CHANGED CIRCLING MDA CAT ABC 740 MDA, TO 760
8. CHANGED TCH FROM 60 TO 55
9. CHANGED S-06 HAT ALL CATS FROM 554 TO HATH 600 ALL CATS
10. CHANGED CIRCLING CAT ABC HAA FROM 527 TO 548, CAT D HAA FROM 567 TO 568
11. ADDED CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT
12. ADDED NORTHEAST PHILADELPHIA (KPNE) AS BACKUP ALTIMETER SETTING
13. ADDED CHARTED NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTHEAST PHILADELPHIA ALTIMETER SETTING AND INCREASE ALL MDA 40FT, AND INCREASE S-06 CAT CD VISIBILITY 1/8 MILE.

SEE 8260-10

REASONS:

1. NAMING CONVENTION, REMOVED GPS OVERLAY
2 THRU 5. PRECISE DOCUMENTATION REQUIREMENTS VS ROUNDED VALUES
6/7. NEW CONTROLLING OBSTACLE
8. OPTIMUM TCH
9. PUBLISH HATH VALUE VS HAT
10. UPDATED AIRPORT ELEV FROM PREVIOUS AMDT
11. 20:1 PENETRATIONS
12/13/14. FPT REQUEST/PUBLISH ALTERNATE MINIMUMS.
15. ALTITUDE DIFFERENCE DID NOT EXCEED 300FT

CHANGED MADE TO FORMS OUTSIDE OF IFP-SIAP:
8260-5
1. REMOVED HOLDING INFO FROM ADDITIONAL FLIGHT DATA
8260-9
SEE 8260-10

QUALITY 4 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY 4 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TRENTON, NJ	**ELEVATION: 212** **THRE: 160** AIRPORT NAME: **TRENTON MERCER**	**TT**	**NDB RWY 6, AMDT 7**	SUP: **NDB OR GPS RWY 6** AMDT: **6A** DATED: **10/07/1999**

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:

CHANGES CONT.
14. ADDED ALTERNATE MINIMUMS NOTE: NA WHEN LOCAL WEATHER NOT AVAILABLE 15. COMBINED MSA TO ONE SECTOR AT 2600FT

REASONS:

REASONS CONT.
1. CHANGED TT TO READ TT LOM IN FACILITY BLOCK
2. CHANGED TTN LOC TO READ TT LOM IN BLOCK 4
3. REMOVED ALL INFORMATION FROM BLOCK 8

EFFECTIVE CONCURRENT WITH KTTN ILS OR LOC RWY 6, AMDT 10

QUALITY 4 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	ARD VOR/DME	TRENN LOM	1. AAO	401348.00N/0745945.00W	597 (4E)	1000	XP403	2000
			2. TERRAIN	401348.00N/0745945.00W	397 (400)		AS1500	1900
FEEDER	MAZIE INT	TRENN LOM	3. AAO	402230.00N/0750609.00W	702 (4E)	1000		1800
			4. TERRAIN	402230.00N/0750609.00W	502 (500)		AS1500	2000
INITIAL	SOMTO INT	TRENN LOM	5. AAO	400833.00N/0750621.00W	594 (4E)	1000		1600
			6. TERRAIN	400833.00N/0750621.00W	394 (400)		AS1500	1900
FINAL	TRENN LOM	4.94 MILES AFTER	7. TOWER (42-020519)	401521.26N/0745144.43W	445 (1A)	300		760
		TRENN LOM						
2. HOLD-IN-LIEU-OF-PT	TRENN LOM	P-4	8. TOWER (42-001683)	401122.00N/0745046.00W	613 (3C)	1000	XP387	2000
			9. TERRAIN	401457.00N/0745518.00W	338 (300)		AS1500	1800
3. MISSED APPROACH MAP:	4.94 MILES AFTER	TRENN LOM				ASC		2000
ELEV:	TRENN LOM		10. AAO	401948.00N/0745221.00W	699 (2C)	1000		1700
	460		11. TERRAIN	401948.00N/0745221.00W	499 (500)		AS1500	2000

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		12. TOWER (34-000866)	401633.00N/0744812.00W	370 (2C)	300	SI	760
CATEGORY A	1.3 NM	350	548		12. TOWER (34-000866)	401633.00N/0744812.00W	370 (2C)	300	SI	760
CATEGORY B	1.5 NM	450	548		12. TOWER (34-000866)	401633.00N/0744812.00W	370 (2C)	300	SI	760
CATEGORY C	1.7 NM	450	548		12. TOWER (34-000866)	401633.00N/0744812.00W	370 (2C)	300	SI	760
CATEGORY D	2.3 NM	550	568		7. TOWER (42-020519)	401521.26N/0745144.43W	445 (1A)	300	HAA	780
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **TRENN LOM**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (42-002870)	249/ 18.6	1548 (2C)	2600					

QUALITY 4 CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
TRENTON, NJ	ELEVATION: 212 AIRPORT NAME: TRENTON MERCER	TT LOM	NDB RWY 6, AMDT 7	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
TTN TOWER **PHL APP CON** SATISFACTORY ON:	[ ] N W S OTHER: **ASOS** [ ] F A A [ ] A / C	SOURCE: **KTTN / KPNE** DISTANCE: **0 / 14.78** HOURS REMOTE OPERATION: **24 / 24**
[X] V H F [X] U H F [ ] H F	LOCATION: **KTTN**	ADJUSTMENT: **0 / 0**

4. MONITOR STATUS	PRIMARY NAVAID: **TT LOM**		
	MONITOR POINT: **TTN ATCT**		
	HRS OPTN:	CAT 1	**16**
		CAT 3	**8**

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:		ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:		ELEV GP ANTENNA:
			THRESHOLD CROSSING HEIGHT:

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

10. WAIVERS: **NONE**

PART D - PREPARED BY: **TERENCE D. SHARP (DAVID TEFFETELLER)**	DATE: **03/12/2012**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-351**

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BLOCK 3:
ADJ: 0/47FT
SERVICE A: Y/Y

NO ADDITIONAL AIRSPACE REQUIRED.
RASS PRESSURE PATTERNS SAME
KTTN 212, KPNE 119.90
RA = 46.89 (47FT).

100FT VEGETATION HEIGHT USED

20:1 PENETRATIONS:
RW34:
205 TREE (34-020970) 401616.77N/0744828.24W (14.94)
186 RR (KTTN0078) 401618.82N/0744826.75W (1.24)
FPT NOTIFIED

ARD FEEDER XP = MAINTAIN PREVIOUSLY PUBLISHED ALTITUDE

H-I-L XP = MAINTAIN PREVIOUSLY PUBLISHED ALTITUDE

RADIO FIX AND HOLDING DATA RECORD

NAME: SOMTO **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 400734.20N/0750349.42W **TYPE:** WP, INT, DME

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	YARDLEY	ARD	VOR/DME	L	233.32	223.32	10.47	10.47		3000	17500
2	POTTSTOWN	PTW	VORTAC	L	113.00	104.00		23.55		3000	17500

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

REMARKS:
POTTSTOWN (FAC 2) AND YARDLEY (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V214-433-445	1, 2				
IAP	NDB RWY 6			KTTN	TRENTON	NJ (US)
IAP	VOR OR GPS A			KTTN	TRENTON	NJ (US)
STAR	DYLIN	1, 2		KEWR	NEWARK	NJ (US)
STAR	PHLBO (RNAV)			KEWR	NEWARK	NJ (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. DELETED FAC 3, DYLIN.
2. ADDED FAC 1 AND 2 DIST FROM FAC IN NM.
3. ADDED REMARK, POTTSTOWN (FAC 2) AND YARDLEY (FAC 1) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY: **DATE:** 12/02/2011 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

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

SIGNATURE:

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

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRENN LOM **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 401245.46N/0745356.96W **TYPE:**

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	FAC FEET	MRA	MAA
1	TRENN	TT	LOM								6000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

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	TT	LOM	238.12	058.12	R	1		2000	5000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-001683)	401122.00N/0745046.00W	613	3C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
.54A L-V FORMULA USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB RWY 6	1	1	KTTN	TRENTON	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
L/L CHANGED TO REFLECT FACILITY, INT REMOVED SINCE NO LONGER USED
UPDATED FAC1, REMOVED FAC 2 AND 3
UPDATED PAT1 CONTROLLING OBSTACLE
REMOVED PAT 2 AND ALL RELATED DATA
UPDATED PAT1 AIRSPEED FROM 230 TO 200
UPDATED PAT1 MIN/MAX TEMPLATE FROM 5/7 TO 4/5
UPDATED FIX USE
MOVED HOLDING LIMITED TO ESTABLISHED PATTERN FROM REMARKS TO HOLDING RESTRICTION
ADDED PRECIPITOUS TERRAIN REMARK

DEVELOPED BY: **DATE:** 03/09/2012 **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
OTHER: TTN ATCT

RADIO FIX AND HOLDING DATA RECORD INFO ONLY

NAME: MAZIE **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401919.55N/0750635.28W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	SOLBERG	SBJ	VOR/DME	L	237.25	227.25	23.00	23.00		2000	17500
2	YARDLEY	ARD	VOR/DME	L	304.01	294.01	10.16	10.16		2000	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

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	SBJ	VOR/DME	237.25	057.25	L	1		2500	14000	5	11
2	SW		WP	239.01	059.01	L		4	2500	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	401957.00N/0751409.00W	883	2C
2	200	AAO	401957.00N/0751409.00W	883	2C

REASON FOR NONSTANDARD HOLDING:
PAT 2 PROVIDES SEPARATION FROM SPUDS AND ARD HOLDING PATTERNS
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
PAT 1 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:
SOLBERG (FAC 1) AND YARDLEY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V419	1, 2	1			(US)
EN ROUTE	V147	1, 2				PA (US)
EN ROUTE	V149	1, 2	1			PA (US)
EN ROUTE	V3	1, 2	1			PA (US)
IAP	ILS RWY 6			KTTN	TRENTON	NJ (US)
IAP	NDB RWY 6			KTTN	TRENTON	NJ (US)
IAP	VOR OR GPS A			KTTN	TRENTON	NJ (US)
IAP	RNAV (GPS)-C			KN10	COLLEGEVILLE	PA (US)
IAP	NDB OR GPS-A			KCKZ	PERKASIE	PA (US)
IAP	RNAV (GPS) RWY 24			KLOM	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) RWY 15			KPNE	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) RWY 33		2	KPNE	PHILADELPHIA	PA (US)
IAP	GPS RWY 28			KPTW	POTTSTOWN	PA (US)
IAP	NDB RWY 29			KUKT	QUAKERTOWN	PA (US)
STAR	JAIKE		2	KTEB	TETERBORO	NJ (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
UPDATED HOLDING PAT 1/2 CONTROLLING OBST FROM 1034 TWR
LOWERED HOLDING PAT 2 ALT FROM 4000
CHANGED HOLDING PAT 1/2 MAX TEMPLATE FROM 9

DEVELOPED BY: **DATE:** 08/18/2011 **OFFICE:** AJV-352 **NAME:** JILL OLSON (BRIAN BERUBEE)

APPROVED BY: **DATE:** 02/06/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: YARDLEY VOR/DME **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401512.03N/0745427.42W **TYPE:**

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	YARDLEY	ARD	VOR/DME	L							29000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ARD	VOR/DME	R-233	1	17500	29000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

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	ARD	VOR/DME	233.32	053.32	R	1		5000	14000	5	8
2	E	ARD	VOR/DME	109.02	289.02	R	1		2000	5000	4	5
3	W	ARD	VOR/DME	261.00	081.00	L	1		2000	4000	4	4
4	E		WP	111.02	291.02	R		4	2000	6000	4	6
5	SW		WP	236.22	056.22	R		4	5000	14000	7	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	AAO	401830.59N/0745616.75W	659	2C
2	200	AAO	401948.60N/0745221.59W	699	2C
3	200	AAO	401923.02N/0745343.36W	679	2C
4	200	AAO	401948.60N/0745221.59W	699	2C
5	210	AAO	401923.02N/0745343.36W	679	2C

REASON FOR NONSTANDARD HOLDING:
PAT 3 TO AVOID NORTH PHILADELPHIA CONTROL ZONE

HOLDING RESTRICTIONS:
PAT 1 CHART 210K ICON
PAT 5 CHART 210K ICON AND 4NM LEGS ON PHLBO STAR/ ATC REQUEST/ WAIVER ON FILE.
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FARMINGDALE			KFRG	FARMINGDALE	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	PHILADELPHIA			KPHL	PHILADELPHIA	PA (US)
EN ROUTE	J51					(US)
EN ROUTE	V143					(US)
EN ROUTE	V147					(US)
EN ROUTE	V210					(US)
EN ROUTE	V214					(US)
EN ROUTE	V276					(US)
EN ROUTE	V433					(US)
EN ROUTE	V455					(US)
EN ROUTE	V479					(US)
IAP	RNAV (GPS) RWY 23			K19N	BERLIN	NJ (US)
IAP	RNAV (GPS) RWY 08			KVAY	MOUNT HOLLY	NJ (US)
IAP	COPTER ILS/DME RWY 22L			KEWR	NEWARK	NJ (US)
IAP	ILS OR LOC RWY 22R			KEWR	NEWARK	NJ (US)
IAP	ILS RWY 22L			KEWR	NEWARK	NJ (US)
IAP	ILS RWY 22L (SA CAT I)			KEWR	NEWARK	NJ (US)
IAP	ILS RWY 22L (SA CAT II)			KEWR	NEWARK	NJ (US)
IAP	VOR/DME RWY 22L			KEWR	NEWARK	NJ (US)
IAP	VOR/DME RWY 22R			KEWR	NEWARK	NJ (US)
IAP	VOR OR GPS RWY 07			KN40	PITTSTOWN	NJ (US)
IAP	VOR OR GPS RWY 08			KN85	PITTSTOWN	NJ (US)
IAP	RNAV (GPS) RWY 10			K39N	PRINCETON/ROCKY HILL	NJ (US)
IAP	VOR-A			K39N	PRINCETON/ROCKY HILL	NJ (US)
IAP	GPS RWY 11			KN87	ROBBINSVILLE	NJ (US)
IAP	ILS RWY 06		2	KTTN	TRENTON	NJ (US)
IAP	NDB RWY 06			KTTN	TRENTON	NJ (US)
IAP	VOR OR GPS A			KTTN	TRENTON	NJ (US)
IAP	RNAV (GPS) RWY 31			KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) Y RWY 06			KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) Y RWY 13			KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) Z RWY 06			KABE	ALLENTOWN	PA (US)

QUALITY 4 CHECKED

IAP	RNAV (GPS) Z RWY 13		KABE	ALLENTOWN	PA (US)
IAP	VOR RWY 23		KDYL	DOYLESTOWN	PA (US)
IAP	RNAV (GPS) RWY 24		KLOM	PHILADELPHIA	PA (US)
IAP	CONVERGING ILS RWY 17		KPHL	PHILADELPHIA	PA (US)
IAP	ILS OR LOC RWY 17		KPHL	PHILADELPHIA	PA (US)
IAP	ILS OR LOC/DME RWY 27R		KPHL	PHILADELPHIA	PA (US)
IAP	ILS RWY 27R (CAT II)		KPHL	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) RWY 17		KPHL	PHILADELPHIA	PA (US)
IAP	ILS OR LOC RWY 24	2	KPNE	PHILADELPHIA	PA (US)
IAP	LOC BC RWY 06	2	KPNE	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) RWY 15		KPNE	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) RWY 24	4	KPNE	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) RWY 33	4	KPNE	PHILADELPHIA	PA (US)
IAP	VOR RWY 06	2	KPNE	PHILADELPHIA	PA (US)
IAP	VOR RWY 24	2	KPNE	PHILADELPHIA	PA (US)
STAR	DYLIN	1	KEWR	NEWARK	NJ (US)
STAR	PHLBO (RNAV)	5	KEWR	NEWARK	NJ (US)
STAR	RUUTH		KEWR	NEWARK	NJ (US)
STAR	GATBY		KLGA	NEW YORK	NY (US)
STAR	KORRY		KLGA	NEW YORK	NY (US)
STAR	MILTON		KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:
1. UPDATED PAT 3 OBS FROM 2G ACCURACY CODE TO 2C ACCURACY CODE.
2. UPDATED PAT 3 NOTE FOR NONSTANDARD HOLDING.
3. REMOVED NOTE ESV'S ON FILE.

DEVELOPED BY: **DATE:** 04/19/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ (STEPHEN PETERSON)

APPROVED BY: **DATE:** 06/08/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY, ZDC
ATC FACILITY: NY TRACON
OTHER: PHL APP CON

QUALITY 4 CHECKED