Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 05/01/2008	Task #: 2007071316105102006	Request #: 20070713161051
Procedure: ILS OR LOC RWY 6 AMDT 23		Airport ID: KABE	Airport: LEHIGH VALLEY INTL		Reimbursable #:
City: ALLENTOWN	ST: PA	GPS #:		Estimated Chart Date: 06/27/2013	FICO #:
Fac ID: ABE	Fac. Type: ILS	Specialist: DONALD SMITH(Contractor)			

Procedure Review

P2

	Rec'd	Rel'd	Full Name	Comments
Lead:	10/24/2012	01/30/2013	KEN CHEERS	
QA:	01/30/2013	02/21/2013	CASIMIR TABAKA	
Liaison:	02/21/2013		Spurrin	

Procedure Comments: ENROUTE-NON

Remark Type: INFORMATION

pkg 1 of 8

ALLENTOWN, PA LEHIGH VALLEY INTL (KABE) ILS OR LOC RWY 6, AMDT 23 ENROUTE-YES FC: 4.30.13 PUB: 6.27.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): ALLENTOWN (FJC) VTAC, REV 14; EAST TEXAS (ETX) VDME, REV 18; JISTO-INT, REV 2; MUDRE-INT, REV 3; SHAGY-INT, REV 2.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

LOC I-ABE	APP CRS	Rwy ldg	7599
110.7	063°	THRE	394
		Apt Elev	394

ILS or LOC RWY 6

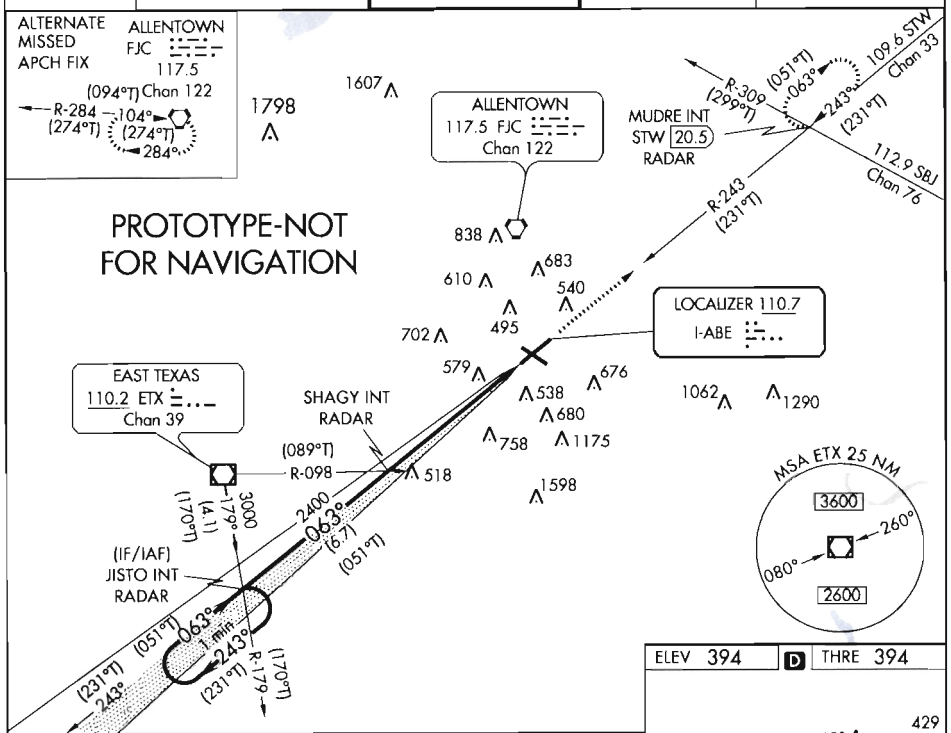
ALLENTOWN / LEHIGH VALLEY INTL (ABE)

* RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

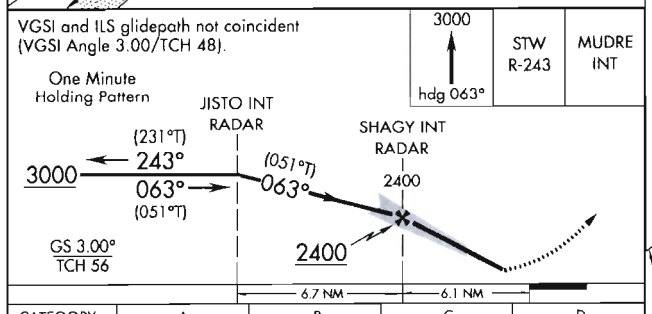
MISSED APPROACH: Climb to 3000 on heading 063° and STW R-243 to MUDRE INT/STW 20.5 DME/RADAR and hold.

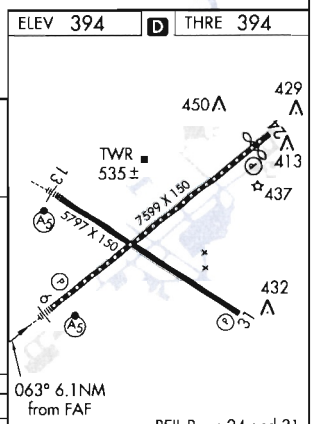
ATIS	ALLENTOWN APP CON	ALLENTOWN TOWER	GND CON	CLNC DEL
126.975	119.65 124.45 397.9	120.5 257.95	121.9 257.95	124.05 257.95



VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 48).

One Minute Holding Pattern





REIL Rwys 24 and 31
HIRL Rwys 6-24 and 13-31

CATEGORY	A	B	C	D
S-ILS 6	* 594/24 200 (200-½)			
S-LOC 6	920/24 526 (600-½)		920/55 526 (600-⅞)	
CIRCLING	920-1 526 (600-1)		920-1½ 526 (600-1½)	980-2 586 (600-2)

FAF to MAP 6.1 NM

Knots	60	90	120	150	180
Min:Sec	6:06	4:04	3:03	2:26	2:02

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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
ETX VOR/DME	JISTO INT/RADAR	179.28 / 4.13	3000
JISTO INT/RADAR (IF/IAF)	SHAGY INT/RADAR	063.26 / 6.68 (I-ABE)	2400

MISSED APPROACH

ILS: DA
LOC: 6.12 MILES AFTER SHAGY INT/RADAR

CLIMB TO 3000 ON HEADING 063.26 AND STW R-243 TO MUDRE INT/STW 20.53 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 DIRECT FJC VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 243.06 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W FJC VORTAC, RT, 104.00 INBOUND.
FAS OBST: 659 AAO 403515N/0753259W
CHART IN PLANVIEW: FJC VORTAC.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW JISTO, RT, 063.26 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 063.26 FAF: SHAGY INT/RADAR DIST FAF TO MAP: 6.12 THLD: 6.12
4. MIN. ALT: JISTO 3000, SHAGY 2400
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1219
6. MIN GS INCPT: 2400 GS ALT AT: SHAGY 2400 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 56.4
8. MSA FROM: ETX VOR/DME 080-260 2600, 260-080 3600

MAG VAR: 12W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: STANDARD LOC: 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
S-ILS 6**	594	2400	200	594	2400	200	594	2400	200	594	2400	200			
S-LOC 6	920	2400	526	920	2400	526	920	5500	526	920	5500	526			
CIRCLING	920	1	526	920	1	526	920	1 1/2	526	980	2	586			

NOTES:
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 394 THRE: 394 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALLENTOWN, PA	LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AMDT: 22A
				DATED 04/10/2008

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] **ABE APP CON, AMGR, ZNY**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: **DONALD E. SMITH (BRIAN BERUBEE)**	FIFO **AJV-352**	DATE: **12/17/2012**

APPROVED BY		
NAME: **SUSAN CRUMB** **MANAGER**	FIFO **AJV-352**	DATE:

CHANGES:

1. CHANGED DIST FAF TO MAP FROM 6.01 TO 6.12
2. REMOVE REFERENCE TO MIDDLE MARKER
3. CHANGED TCH FROM 56.3 TO 56.4
4. CHANGED TDZE TO THRE
5. RAISED S-LOC 6 MDA FROM 820 TO 920 AND CAT C/D VIS FROM 4000 TO 5500
6. RAISED CAT A/B/C CMDA FROM 840 TO 920
7. CHANGED HIL INBOUND COURSE FROM 243.26 TO 063.26
8. CHANGED INTERMEDIATE SEGMENT DIST FROM 6.00 TO 6.68
9. CHANGED INITIAL SEGMENT COURSE/DIST FROM 168.93/3.80 TO 179.28/4.13
10. CHANGED ALT MISSED FROM ...VIA STW R-423 TO MUDRE... TO CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 DIRECT FJC VORTAC..
11. CHANGED MSA SECTORS FROM 250-070/070 -250 TO 260-080/080-260

REASONS:

1. PFAF LOCATION
2. MM NA
3. AVNIS
4. USING THRE IN LIEU OF TDZE
5. OBSTACLE STUDY/CRITERIA
6. OBSTACLE STUDY
7. CONSISTENT WITH FINAL COURSE
8. PFAF MOVEMENT/MINIMUM LEG LENGTH CRITERIA
9. INTERMEDIATE FIX MOVEMENT
10. ATC REQUEST
11. HARMONIZED WITH MSA SECTORS ON OTHER PROCEDURES AT THIS LOCATION

QUALITY 2 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

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NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ETX   K6011020VDLW N40345173W075410252    N40345173W075410252W0090007421     NAREAST TEXAS
        SUSAD        STW   K6010960VDL  N40594495W074520851    N40594495W074520851W0110009201     NARSTILLWATER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JISTO K60    C     N40304747W075400769                      W0121     NAR           JISTO
        SUSAEAENRT   MUDRE K60    R     N40470520W075132732                      W0124     NAR           MUDRE
        SUSAEAENRT   SHAGY K60    C     N40345893W075331836                      W0121     NAR           SHAGY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABEK6AABE     0     075YHN40390850W075262550W012000394         1800018000C    MNAR    LEHIGH VALLEY INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABEK6FI06   AETX   010ETX  K6D 0V       IF                                                18000                0 NS
        SUSAP KABEK6FI06   AETX   020JISTOK6EA0EY      TF                                          + 03000                    0 NS
        SUSAP KABEK6FI06   AETX   030JISTOK6EA0EE AR   HF IABEK6      243301410633T010PI  + 03000                    0 NS
        SUSAP KABEK6FI06   I      010JISTOK6EA0E  I    IF IABEK6      24330141        PI  J 030000240018000          0 NS
        SUSAP KABEK6FI06   I      020SHAGYK6EA0E  F    CF IABEK6      2433007506300067PI  H 0240002400        -300ETX   K6D 0 NS
        SUSAP KABEK6FI06   I      030RW06 K6PG0GY M    CF IABEK6      2433001306300061PI    00450             -300         0 NS
        SUSAP KABEK6FI06   I      040         0  M     VI                      0633                                        0 NS
        SUSAP KABEK6FI06   I      050MUDREK6EA0EY      CF STW K6      2431020506310160D   + 03000                    0 NS
        SUSAP KABEK6FI06   I      060MUDREK6EA0EE  R   HM                      2431T010    + 03000                    0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABEK6GRW06    0075990633 N40384914W075270228-0200    +0085600394000056150IIABE1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABEK6IIABE1   011070RW06 N40393904W0752540570633N40385895W0752652330474 12190496300W01205600385

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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CITY AND STATE	ELEVATION: 394 THRE: 394	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALLENTOWN, PA	AIRPORT NAME: LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AMDT: 22A
				DATED: 04/10/2008

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:

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SUSAP KABEK6SETX K6D 0 0802600362526008002625 M

CITY AND STATE	ELEVATION: 394 THRE: 394	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALLENTOWN, PA	AIRPORT NAME: LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AMDT: 22A
				DATED: 04/10/2008

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:

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ETX	ETX	010		IF		FB					
	ETX	JISTO	020		TF		FO				AA 03000	
	ETX	JISTO	030	IAF	HF	R	FO		063.3()	T01.0	AA 03000	
		JISTO	010	FACF	IF		FB				AA 03000 GI 02400	
		SHAGY	020	FAF	CF		FB		063.0()	006.7	GI 02400 GS 02400	
		RW06	030	MAP	CF		FO		063.0()	006.1	AT 00450	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		063.3()			
	MUDRE	050		CF		FO		063.1()	016.0	AA 03000	
	MUDRE	060		HM	R	FO		243.1()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ETX	N403451.73	W0754102.52	N4034.862	W07541.042
	STW	N405944.95	W0745208.51	N4059.749	W07452.142
	JISTO	N403047.47	W0754007.69	N4030.791	W07540.128
	MUDRE	N404705.20	W0751327.32	N4047.087	W07513.455
	SHAGY	N403458.93	W0753318.36	N4034.982	W07533.306
	RW06	N403849.14	W0752702.28	N4038.819	W07527.038
	IABE (LOC)	N403939.04	W0752540.57	N4039.651	W07525.676

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00394	56

CITY AND STATE	ELEVATION: 394 THRE: 394	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALLENTOWN, PA	AIRPORT NAME: LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AMDT: 22A
				DATED: 04/10/2008

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
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC PACKET - 424-18 - LOC

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAD        ETX   K6011020VDLW N40345173W075410252    N40345173W075410252W0090007421     NAREAST TEXAS
         SUSAD        STW   K6010960VDL  N40594495W074520851    N40594495W074520851W0110009201     NARSTILLWATER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   JISTO K60    C     N40304747W075400769                      W0121     NAR           JISTO
         SUSAEAENRT   MUDRE K60    R     N40470520W075132732                      W0124     NAR           MUDRE
         SUSAEAENRT   SHAGY K60    C     N40345893W075331836                      W0121     NAR           SHAGY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KABEK6AABE     0     075YHN40390850W075262550W012000394         1800018000C    MNAR    LEHIGH VALLEY INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KABEK6FL06   AETX   010ETX  K6D 0V       IF                                                18000                 0 NS
         SUSAP KABEK6FL06   AETX   020JISTOK6EA0EY      TF                                     + 03000                          0 NS
         SUSAP KABEK6FL06   AETX   030JISTOK6EA0EE AR   HF IABEK6      243301410633T010PI   + 03000                          0 NS
         SUSAP KABEK6FL06   L      010JISTOK6EA0E  I    IF IABEK6      24330141        PI   + 03000     18000                 0 NS
         SUSAP KABEK6FL06   L      020SHAGYK6EA0E  F    CF IABEK6      2433007506300067PI   + 02400                 ETX   K6D 0 NS
         SUSAP KABEK6FL06   L      030RW06 K6PG0GY M    CF IABEK6      2433001306300061PI     00450             -301          0 NS
         SUSAP KABEK6FL06   L      040         0  M     VI                      0633                                          0 NS
         SUSAP KABEK6FL06   L      050MUDREK6EA0EY      CF STW K6      2431020506310160D    + 03000                          0 NS
         SUSAP KABEK6FL06   L      060MUDREK6EA0EE  R   HM                      2431T010    + 03000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KABEK6GRW06    0075990633 N40384914W075270228-0200    +0085600394000056150IIABE1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KABEK6IIABE1   011070RW06 N40393904W0752540570633N40385895W0752652330474 12190496300W01205600385

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
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CITY AND STATE	ELEVATION: 394 THRE: 394	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALLENTOWN, PA	AIRPORT NAME: LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AMDT: 22A
				DATED: 04/10/2008

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:

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SUSAP KABEK6SETX  K6D          0   0802600362526008002625                                M
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CITY AND STATE	ELEVATION: 394 THRE: 394	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALLENTOWN, PA	AIRPORT NAME: LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AMDT: 22A
				DATED: 04/10/2008

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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 SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ETX	ETX	010		IF		FB					
	ETX	JISTO	020		TF		FO				AA 03000	
	ETX	JISTO	030	IAF	HF	R	FO		063.3()	T01.0	AA 03000	
		JISTO	010	FACF	IF		FB				AA 03000	
		SHAGY	020	FAF	CF		FB		063.0()	006.7	AA 02400	
		RW06	030	MAP	CF		FO		063.0()	006.1	AT 00450	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		063.3()			
	MUDRE	050		CF		FO		063.1()	016.0	AA 03000	
	MUDRE	060		HM	R	FO		243.1()	T01.0	AA 03000	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ETX	N403451.73	W0754102.52	N4034.862	W07541.042
STW	N405944.95	W0745208.51	N4059.749	W07452.142
JISTO	N403047.47	W0754007.69	N4030.791	W07540.128
MUDRE	N404705.20	W0751327.32	N4047.087	W07513.455
SHAGY	N403458.93	W0753318.36	N4034.982	W07533.306
RW06	N403849.14	W0752702.28	N4038.819	W07527.038
IABE (LOC)	N403939.04	W0752540.57	N4039.651	W07525.676

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW06	00394	56

CITY AND STATE	ELEVATION: 394 THRE: 394	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALLENTOWN, PA	AIRPORT NAME: LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AMDT: 22A
				DATED: 04/10/2008

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.
FEEDER	ETX VOR/DME	JISTO INT/RADAR	1. AAO	403412.00N/0754315.00W	1017 (4E)	1000	AT983	3000
			2. TERRAIN	403412.00N/0754315.00W	817 (800)		AS1500	2300
INTERMEDIATE	JISTO INT/RADAR	SHAGY INT/RADAR	3. AAO	402818.00N/0753800.00W	1313 (4E)	500	AC98 DG489	2400
	(IF/IAF)		4. TERRAIN	402812.00N/0753721.00W	1106 (1100)		AS1000	2100
FINAL: ILS	SHAGY INT/RADAR	RW06				ASC		594/200
FINAL: LOC	SHAGY INT/RADAR	6.12 MILES AFTER	5. AAO	403514.96N/0753259.29W	659 (2C)	250	XL6	920
		SHAGY INT/RADAR						
2. HOLD-IN-LIEU-OF-PT	JISTO	P-4	6. AAO	402836.00N/0754106.00W	1447 (4E)	1000	AT553	3000
			7. TERRAIN	402836.00N/0754106.00W	1247 (1200)		AS1500	2700
3. MISSED APPROACH — MAP:	DA / 6.12 MILES	MUDRE INT/STW				ASC		3000
	AFTER SHAGY	20.53 DME/RADAR	8. AAO	405118.00N/0751757.00W	1073 (4E)	1000		2100
ELEV:	425/664		9. TERRAIN	405118.00N/0751757.00W	872 (900)		AS1500	2400

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	526	12. T-L TWR (42-000419)	404041.99N/0752456.60W	540 (5D)	300	SI	920
CATEGORY B	1.5 NM	450	526	12. T-L TWR (42-000419)	404041.99N/0752456.60W	540 (5D)	300	SI	920
CATEGORY C	1.7 NM	450	526	12. T-L TWR (42-000419)	404041.99N/0752456.60W	540 (5D)	300	SI	920
CATEGORY D	2.3 NM	550	586	13. TANK (42-022261)	403646.21N/0752553.23W	680 (1B)	300		980
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: ETX VOR/DME

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
080-260	TWR (42-000443)	104/ 11.2	1598 (3C)	2600					
260-080	TWR (42-002421)	017/ 27.9	2505 (4D)	3600					

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 394 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ALLENTOWN, PA	LEHIGH VALLEY INTL	I-ABE	ILS OR LOC RWY 6, AMDT 23	AEA

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID: I-ABE	
	MONITOR POINT: ABE ATCT	
	HRS OPTN: CAT 1	24
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 13, 06
X	HIRL 31, 13, 24, 06
	MIRL
X	REIL 31, 24
	TDZ
X	C/L 24, 06
X	OTHER (SPECIFY) PAPI-4L 31, 24, 06

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 13, 24, 06
	INSTRUMENT	NPI-G 31
7. RUNWAY VISUAL RANGE	APPROACH	24, 06
	MIDFIELD	
	ROLL OUT	24, 06

8. GLIDE PATH		
	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 393.8
	DISTANCE FROM RWY: 1219	ELEV GP ANTENNA: 386.3
		THRESHOLD CROSSING HEIGHT: 56.4

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

10. WAIVERS: NONE

PART D - PREPARED BY: DONALD E. SMITH (BRIAN BERUBEE)	DATE: 12/17/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

SEE ATTACHED AIRSPACE LETTER.

100' VEGETATION APPLIED PER FPT

KABE ASOS ON SVC A
REDUNDANT WEATHER REPORTING SOURCES ON APT

VGSI DATA: 3.00/48

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3000
10. AAO 404457.00N/0752603.00W 1008 (4E) 1000 2100
11. TERRAIN 404457.00N/0752603.00W 808 (800) AS1500
2300

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ALLENTOWN VORTAC **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 404336.12N/0752717.12W **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	ALLENTOWN	FJC	VORTAC	L							45000

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	N	FJC	VORTAC	008.00	188.00	R	1		3000	11000	4	9
2	W	FJC	VORTAC	284.00	104.00	R	1		3000	11000	4	9
3	W		WP	284.00	104.00	R		5	3000	11000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	404912.00N/0752630.00W	1788	4E
2	200	AAO	404312.00N/0753554.00W	1185	4E
2	310	AAO	404638.53N/0754026.48W	1880	6C
3	200	AAO	404721.00N/0753557.00W	1229	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.
PAT 1 AND 2 USED BY ZNY.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 6 (ALT MISSED)	KABE	ALLENTOWN	PA (US)
2	ILS OR LOC RWY 13 (ALT MISSED)	KABE	ALLENTOWN	PA (US)

REMARKS:
CHART ENROUTE HIGH: FJC R-104 UNUSABLE USE JFK R-287.
CHART ENROUTE LOW: FJC R-115 UNUSABLE USE SBJ R-295.
CHART ENROUTE LOW: FJC R-157 UNUSABLE.
CHART ENROUTE LOW: FJC R-240 UNUSABLE BLO 9000 USE ETX R-059.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS			K1N7	BLAIRSTOWN	NJ (US)
DP	PHILADELPHIA			KPHL	PHILADELPHIA	PA (US)
DP	SCRANTON			KAVP	WILKES-BARRE/SCRANTON	PA (US)
EN ROUTE	J146					(US)
EN ROUTE	V149					(US)
EN ROUTE	V162					(US)
EN ROUTE	V408					(US)
EN ROUTE	V6					(US)
EN ROUTE	V613					(US)
IAP	ILS OR LOC RWY 13 (ALT MISSED)		2	KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC RWY 6 (ALT MISSED)		2	KABE	ALLENTOWN	PA (US)
IAP	VOR-A			KABE	ALLENTOWN	PA (US)
IAP	GPS RWY 36		3	KN43	EASTON	PA (US)
IAP	VOR/DME OR GPS-D		2	KN43	EASTON	PA (US)
IAP	VOR RWY 10			KHZL	HAZLETON	PA (US)
STAR	WILKES BARRE			KCDW	CALDWELL	NJ (US)
STAR	WILKES BARRE			KLDJ	LINDEN	NJ (US)
STAR	WILKES BARRE			KMMU	MORRISTOWN	NJ (US)
STAR	WILKES BARRE			K39N	PRINCETON/ROCKY HILL	NJ (US)
STAR	WILKES BARRE			KN51	READINGTON	NJ (US)
STAR	WILKES BARRE			KSMQ	SOMERVILLE	NJ (US)
STAR	WILKES BARRE			KTEB	TETERBORO	NJ (US)
STAR	LENDY			KFRG	FARMINGDALE	NY (US)
STAR	LENDY			KJFK	NEW YORK	NY (US)
STAR	MILTON			KLGA	NEW YORK	NY (US)
STAR	SLATT			KPHL	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

QUALITY 2 CHECKED

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
UPDATED FACILITY 1 DATA
ADDED PAT 2 C-I-H WITH ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY:	**DATE:** 11/23/2012	**OFFICE:** AJV-352	**NAME:** DONALD SMITH (BRIAN BERUBEE)
APPROVED BY:	**DATE:**	**OFFICE:** AJV-352	**NAME:** SUE CRUMB
	SIGNATURE:		

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EAST TEXAS VOR/DME **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 403451.73N/0754102.52W **TYPE:**

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	EAST TEXAS	ETX	VOR/DME	L							38000

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	W	ETX	VOR/DME	292.33	112.33	R	1		3000	8000	4	8
2	W	ETX	VOR/DME	283.14	103.14	R	1		3000	8000	4	8
3	NE		WP	059.00	239.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	200' AAO	403845.00N/0755006.00W	1299	2C
1	230	200' AAO	404054.70N/0755403.10W	1874	6C
2	200	200' AAO	403742.00N/0754318.00W	1116	4E
2	230	200' AAO	403648.00N/0755507.90W	1835	2C
3	200	200' AAO	404312.00N/0753554.00W	1185	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	TAKEOFF MINIMUMS			KXLL	ALLENTOWN	PA (US)
DP	SCRANTON			KAVP	WILKES-BARRE/SCRANTON	PA (US)
EN ROUTE	J60					(US)
EN ROUTE	J60-80					(US)
EN ROUTE	J80					(US)
EN ROUTE	Q42					(US)
EN ROUTE	V147					(US)
EN ROUTE	V162					(US)
EN ROUTE	V162-408					(US)
EN ROUTE	V164					(US)
EN ROUTE	V29-147					(US)
EN ROUTE	V29-408					(US)
EN ROUTE	V30					(US)
EN ROUTE	V39					(US)
IAP	ILS OR LOC RWY 13			KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC RWY 6			KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC/DME RWY 24		1	KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) RWY 24		3	KABE	ALLENTOWN	PA (US)
IAP	VOR-A		1	KABE	ALLENTOWN	PA (US)
IAP	VOR-B		2	KXLL	ALLENTOWN	PA (US)
IAP	LOC RWY 28			KHZL	HAZLETON	PA (US)
IAP	ILS OR LOC RWY 8			KLNS	LANCASTER	PA (US)
IAP	VOR RWY 08			KLNS	LANCASTER	PA (US)
IAP	VOR RWY 31			KLNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 26			KLNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 31			KLNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 8			KLNS	LANCASTER	PA (US)
IAP	RNAV (GPS) RWY 26			K22N	LEHIGHTON	PA (US)
IAP	VOR/DME OR GPS-A			K9D4	MYERSTOWN	PA (US)
IAP	NDB-A			KCKZ	PERKASIE	PA (US)
IAP	LOC RWY 28			KPTW	POTTSTOWN	PA (US)
IAP	RNAV (GPS) RWY 11			KUKT	QUAKERTOWN	PA (US)
IAP	ILS OR LOC RWY 13			KRDG	READING	PA (US)
IAP	ILS OR LOC RWY 36			KRDG	READING	PA (US)
IAP	RNAV (GPS) RWY 13			KRDG	READING	PA (US)
IAP	RNAV (GPS) RWY 18			KRDG	READING	PA (US)
IAP	RNAV (GPS) RWY 36			KRDG	READING	PA (US)
STAR	SLATT			KPHL	PHILADELPHIA	PA (US)
STAR	SPUDS			KPHL	PHILADELPHIA	PA (US)

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

QUALITY 2 CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
DELETED PATTERN #2 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY:	**DATE:** 11/23/2012	**OFFICE:** AJV-352	**NAME:** DONALD SMITH (BRIAN BERUBEE)
APPROVED BY:	**DATE:**	**OFFICE:** AJV-352	**NAME:** SUE CRUMB
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: ABE APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JISTO **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 403047.47N/0754007.69W **TYPE:** WP, RADAR, 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	ALLENTOWN	I-ABE	LOC		243.26	231.26		14.13		3000	4800
2	EAST TEXAS	ETX	VOR/DME	L	179.28	170.28	4.13	4.13		3000	4800

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	I-ABE	LOC	243.26	063.26	R	1		3000	4800	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	402836.00N/0754106.00W	1447	4E

REMARKS:
ALLENTOWN (FAC 1) AND EAST TEXAS (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	1	KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) RWY 6			KABE	ALLENTOWN	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
REPOSITIONED FIX .79 NM SOUTHWEST
DELETED FAC 3 (RUNWAY) AND ASSOCIATED DATA
LOWERED FAC 1 & 2 MAA FROM 8000 TO 4800
ADDED DIST FROM FAC 1 & 2
CHANGED FAC 2 BRG FROM 159.93 TO 170.28
CHANGED FAC 2 DME FROM 3.80 TO 4.13
CHANGED HOLDING PATTERN INBOUND COURSE FROM 243.26 TO 063.26
CHANGED MAX HOLDING FROM 6000 TO 4800
CHANGED HOLDING PATTERN OBSTACLE FROM 1459 AAO TO 1447 AAO
UPDATED FIX USE

DEVELOPED BY: **DATE:** 11/21/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZNY
ATC FACILITY: ABE APP CON, ABE ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUDRE **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 404705.20N/0751327.32W **TYPE:** RADAR, 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	ALLENTOWN	I-GUW	LOC/DME		063.28	051.28	13.62	13.61		3000	4800
2	SOLBERG	SBJ	VOR/DME	L	308.94	298.94		25.13		3000	17500
3	STILLWATER	STW	VOR/DME	L	243.06	232.06	20.53	20.53		3000	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	NE	I-GUW	LOC/DME	063.28	243.28	R	1		3000	4800	5	6
2	NE	STW	VOR/DME	063.06	243.06	R	1		3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	405348.00N/0751403.00W	1795	4E
2	200	AAO	405348.00N/0751403.00W	1795	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:
ALLENTOWN (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATIUON COMPLETED
GUW DME ANTENNA COORDINATES: 403836.52N/0752728.42W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 24	1, 2, 3		KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC RWY 6	1, 2	1	KABE	ALLENTOWN	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:**

REASON FOR REVISION:
DELETED WP FROM FIX TYPE
DELETED FAC 3 (ETX) AND ASSOCIATED DATA
DELETED FAC 4 (RWY) AND ASSOCIATED DATA
DELETED FAC 5 (LVZ)AND ASSOCIATED DATA
REORDERED REMAINING FAC 1. GUW, 2. SBJ, 3. STW
ADDED DIST FROM FAC 1, 2 & 3
DELETED HOLDING PATTERN 1 (WP)
DELETED HOLDING PATTERN 3 (ETX)
CHANGED HOLDING PATTERN OBST FROM 1819 AAO TO 1795 AAO
DELETED ENROUTE LOW AND CONTROLLER FROM REQUIRED CHARTING
LOWERED MRA FROM 4900 TO 4800
DELETED PAT 2 DME LEG VALUE ADDED 1 MIN TIME LEG VALUE
CHANGED PAT 2 MAX ALTITUDE FROM 4900 TO 4800
ADDED DME ANTENNA COORDINATES
UPDATED FIX USE

DEVELOPED BY: **DATE:** 11/21/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZNY
ATC FACILITY: ABE APP CON, ABE ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHAGY **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 403458.93N/0753318.36W **TYPE:** WP, RADAR, 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	ALLENTOWN	I-ABE	LOC		243.26	231.26		7.45	45274	2400	4800
2	EAST TEXAS	ETX	VOR/DME	L	097.79	088.79		5.90		2400	4800

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

REMARKS:
ALLENTOWN (FAC 1) AND EAST TEXAS (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		KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) RWY 6			KABE	ALLENTOWN	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
REPOSITIONED FIX 656FT SOUTHWEST
DELETED FAC 3 (RUNWAY) AND ASSOCIATED DATA
LOWERED FAC 1 & 2 MAA FROM 8000 TO 4800
ADDED DIST FROM FAC 1 & 2
CHANGED FAC 2 BRG FROM 097.13 TO 097.79
UPDATED FIX USE

DEVELOPED BY: **DATE:** 11/21/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **ALLENTOWN** STATE: **PA**

AIRPORT NAME: **LEHIGH VALLEY INTL** ID: **KABE**

PROCEDURE: **ILS or LOC RWY 6** AMDT: **AMDT 23**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **3.30**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **.93**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **51.26**
4. High Terrain in **FINAL** segment containing 1000' point **470**
5. Distance from **THLD** to 1500' point **12.80**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **8.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **51.26**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1106**
9. Threshold Coordinates (if straight-in) ... **403849.14N** / **0752702.28W**
10. ARP Coordinates ..... **403908.50N** / **0752625.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **24**
    Distance **0.69** NM
12. FAF Coordinates ..... **403458.93N** / **0753318.36W**
    (Click to Select)

REMARKS: Approach/Drawing attached.