

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				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.								
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW24  CLIMB TO 3000 DIRECT SURGE AND ON TRACK 265.92 TO ETX VOR/DME AND HOLD.  <b>ADDITIONAL FLIGHT DATA:</b> HOLD NE, RT, 239.00 INBOUND. CHART FAS OBST: 540 T-L TWR 404042N/0752457W 699 AAO 404355N/0751952W DISTANCE TO THLD FROM 200 HATH: 0.46 NM. CHART VDP AT 1.33 MILES TO RW24* *LNAV ONLY. WAAS CHANNEL # 40332 REFERENCE PATH ID: W24A LTP HAE: 81.6 M								
SBJ VOR/DME	PIMUE (FB)	306.92 / 17.37	4000									
DUMMR	BEERS (FB)	062.17 / 38.57	4000									
BEERS	RIRAE (FB)	090.79 / 7.59	4000									
PIMUE (IAF)	FONUP (FB)	313.50 / 8.15	3000									
RIRAE (IAF)	CICAT (FB)	173.36 / 4.08	3700									
CICAT	FONUP (FB)	173.38 / 4.08	3000									
FONUP (IF)	MUSYK (FB)	243.41 / 5.00	2400									
(SEE FORM 8260-10)												
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF)				MAG VAR: 12W                      EPOCH YEAR: 2005								
2. PROFILE STARTS AT FONUP												
3. FAC: 243.35    FAF: MUSYK                      DIST FAF TO MAP: <u>6.17</u> THLD: <u>6.17</u>												
4. MIN. ALT: FONUP 3000, MUSYK 2400												
5. DIST TO THLD FROM OM:                      MM:                      IM:                      150 HAT:                      100 HAT:                      GS ANT:												
6. MIN GS INCPT: <u>2400</u> GS ALT AT: MUSYK 2400                      OM:                      MM:                      IM:												
7. GS ANGLE: <u>3.00</u> TCH: 55.3    34:1 IS CLEAR												
8. MSA FROM: RW24 3600												
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
LPV DA	581	4000	200	581	4000	200	581	4000	200			
LNAV/VNAV DA	777	1 1/4	396	777	1 1/4	396	777	1 1/4	396			
LNAV MDA	860	5500	479	860	5500	479	860	1 3/8	479			
CIRCLING	900	1	506	900	1	506	900	1 1/2	506	980	2	586
<b>NOTES:</b> CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BEERS ON V149-408 NORTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DUMMR ON V162 WESTBOUND, V93 SOUTHWEST BOUND, (SEE FORM 8260-10)												
CITY AND STATE  ALLENTOWN, PA			ELEVATION: 394                      THRE: 381 AIRPORT NAME:  LEHIGH VALLEY INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1  27 JUNE 2013			SUP: AMDT:                      ORIG DATED    05/10/2007	



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MUSYK (FAF)	RW24 (MAP) (FO)	243.35 / 6.17	
RW24 (MAP)	581 MSL	243.35	
581 MSL	SURGE (FB)		
SURGE	ETX VOR/DME (FO)	265.92 / 9.35	3000

NOTES, (CONT.):

AND V276 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SBJ VOR/DME AIRWAY RADIALS 217 CW 028.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

QUALITY  
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CITY AND STATE

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**FAS DATA BLOCK INFORMATION**

**DATA FIELD**

**DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KABE
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	403932.9625N
LTP/FTP LONGITUDE	0752550.5345W
LTP/FTP ELLIPSOIDAL HEIGHT	+00816
FPAP LATITUDE	403837.1830N
FPAP LONGITUDE	0752721.8575W
THRESHOLD CROSSING HEIGHT (TCH)	00055.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0592
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER**

6C6459A5

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01160
FPAP ORTHOMETRIC HEIGHT	+01160

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible][illegible]

CITY AND STATE  
ALLENTOWN, PA

ELEVATION: 394	THRE: 381
AIRPORT NAME:	LEHIGH VALLEY INTL

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SUSAP KABEK6FR24	R	060ETX	K6D 0VY	010TF
SUSAP KABEK6FR24	R	070ETX	K6D 0VE	R HM

2659	+ 03000
23900040	+ 03000

A JS  
A JS

[illegible]

SUSAP KABEK6GRW24 0075992433 N40393296W075255053+0200 +0081600381051055150I

[illegible]

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SUSAP KABEK6PR24 RW24 001 0000W24A0N4039329625W07525505345+008160300N4038371830W07527218575106750592000553F4003506C6459A5
SUSAP KABEK6PR24 RW24 002E +01160+01160LPV 40332
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[illegible]

SUSAP KABEK6SRW24 K6PG 0 18018003625

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
	BEERS	BEERS	010		IF		FB					
	BEERS	RIRAE	020	IAF	TF		FB	2.0	090.8 (078.8T)	007.6	AA 04000	
	BEERS	CICAT	030		TF		FB	1.0	173.4 (161.4T)	004.1	AA 03700	
	BEERS	FONUP	040		TF		FB	1.0	173.4 (161.4T)	004.1	AA 03000	
	DUMMR	DUMMR	010		IF		FB					
	DUMMR	BEERS	020		TF		FB	2.0	062.2 (050.2T)	038.6	AA 04000	
	DUMMR	RIRAE	030	IAF	TF		FB	2.0	090.8 (078.8T)	007.6	AA 04000	
	DUMMR	CICAT	040		TF		FB	1.0	173.4 (161.4T)	004.1	AA 03700	
	DUMMR	FONUP	050		TF		FB	1.0	173.4 (161.4T)	004.1	AA 03000	
	SBJ	SBJ	010		IF		FB					
	SBJ	PIMUE	020	IAF	TF		FB	2.0	306.9 (294.9T)	017.4	AA 04000	
	SBJ	FONUP	030		TF		FB	1.0	313.5 (301.5T)	008.2	AA 03000	
		FONUP	010	FACF	IF		FB				AA 03000	
		MUSYK	020	FAF	TF		FB	0.5	243.4 (231.4T)	005.0	AA 02400	
		RW24	030	MAP	TF		FO	0.3	243.4 (231.4T)	006.2	AT 00436	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		243.4 (231.4T)		AA 00581	
	SURGE	050		DF		FB					
	ETX	060		TF		FO	1.0	265.9 (253.9T)		AA 03000	
	ETX	070		HM	R	FO		239.0 (227.0T)	004.0	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
	SBJ	N403458.96	W0744430.46	N4034.983	W07444.508
	BEERS	N405247.50	W0752737.36	N4052.792	W07527.623
	CICAT	N405023.79	W0751605.02	N4050.397	W07516.084
	DUMMR	N402810.68	W0760640.18	N4028.178	W07606.670
	FONUP	N404631.88	W0751422.25	N4046.531	W07514.371
	MUSYK	N404324.42	W0751930.77	N4043.407	W07519.513
	PIMUE	N404216.58	W0750513.44	N4042.276	W07505.224
	RIRAE	N405415.68	W0751747.99	N4054.261	W07517.800
	SURGE	N403727.78	W0752915.40	N4037.463	W07529.257
	RW24	N403932.96	W0752550.53	N4039.549	W07525.842

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW24	00381	55

QUALITY  
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