

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> KELLER BROTHERS	<u>AIRPORT ID</u> K08N	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> LEBANON	<u>STATE</u> PA	
<u>AIRPORT ELEVATION</u> 550	<u>TDZE</u> 547	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
DUMMR	IF/IAF	YAPSU		TF	FB	1.00	228.13	9.63	2200
YAPSU	FAF	RW25	MAP	TF	FO	0.30	248.11	5.10	
RW25	MAP	950 MSL		CA			248.11		
950 MSL		BAARN		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3000 DIRECT BAARN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- PROFILE STARTS AT DUMMR
- FAC:** 248.11 **FAF:** YAPSU **DIST FAF TO MAP:** 5.10 **DIST FAF TO THLD:** 5.10
- MIN ALT:** DUMMR 4000, YAPSU 2200
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:**
- MSA FROM:** RW25 3100

PBN REQUIREMENTS NOTE:

RNP APCH.



NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DUMMR ON V93 NORTHEAST BOUND, V162 EASTBOUND AND V276 SOUTHEAST BOUND.
CHART NOTE: USE LANCASTER ALTIMETER SETTING; WHEN NOT RECEIVED, USE READING ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT B VISIBILITY 1/4 MILE.

ADDITIONAL FLIGHT DATA:

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
CHART LANCASTER ASOS FREQUENCY.
FAS OBST: 1019 AAO 401831N/0761622W.
HOLD E, LT, 256.02 INBOUND

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	1320	1	773	1320	1 1/4	773		NA			NA				
CIRCLING	1440	1 1/4	890	1480	1 1/4	930		NA			NA				

CHANGES - REASONS

- 1. ADDED 20:1 IS NOT CLEAR ON LINE 7 - IAW CURRENT 8260.19 CRITERIA.
- 2. REMOVED CHART NOTE "DME/DME RNP - 0.3 NA" - CHANGED TO PBN REQUIREMENT NOTE "RNP APCH" IAW CURRENT 8260.19 CRITERIA.
- 3. ADDED PBN REQUIREMENT NOTE "RNP APCH" - IAW CURRENT 8260.19 CRITERIA.
- 4. REMOVED "YAPSU TO RW25: 3.00/40" FROM ADDITIONAL FLIGHT DATA - PER FLIGHT CHECK REQUEST
- 5. ADDED CHART PROFILE NOTE "VISUAL SEGMENT - OBSTACLES" TO ADDITIONAL FLIGHT DATA - IAW CURRENT 8260.19 CRITERIA: VDA REMOVED.
- 6. CHANGED CHART NOTE FROM "RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - NOTE ONLY APPLIES TO STRAIGHT-IN PORTION IAW CURRENT 8260.19 CRITERIA.



<u>AIRPORT</u> KELLER BROTHERS	<u>AIRPORT ID</u> K08N	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> LEBANON	<u>STATE</u> PA
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COORDINATED WITH:

A4A ☐ ALPA ☐ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: MDT APP CON, ZNY, AIRPORT MANAGER.

<u>FLIGHT CHECKED BY</u> FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.	<u>OFFICE</u>	<u>DATE</u>	<i>Digitally signed by</i> ROBERT G HAMILTON Sep 21, 2018
<u>DEVELOPED BY</u> DUSTIN DAVIDSON	<i>Digitally signed by</i> DUSTIN DAVIDSON Sep 14, 2018	<u>OFFICE</u> AJV-5422	<u>DATE</u> 07/20/2018
<u>APPROVED BY</u> JULIE MORGAN	<u>OFFICE</u> AJV-5420	<u>DATE</u>	<u>TITLE</u> MANAGER
		<i>Digitally signed by</i> ROBERT G HAMILTON Sep 21, 2018	



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> KELLER BROTHERS	<u>AIRPORT ID</u> K08N	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> LEBANON	<u>STATE</u> PA	<u>AIRPORT ELEVATION</u> 550	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM TO
DUMMR (IF/IAF) YAPSU

<u>RNP</u>	<u>DISTANCE</u> 9.63	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	402017.00N/0761109.00W		1519	50	20	2C	500				SA-140 AT321	2200
2.TERRAIN	402033.00N/0761106.00W		998 (1000)								AS1000	2000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:

FINAL: LNAV

FROM TO
YAPSU RW25

<u>RNP</u>	<u>DISTANCE</u> 5.10	<u>PAT</u>	<u>MAP</u> RW25	<u>HAT</u> 773	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.AAO	401831.00N/0761622.00W		1019	50	20	2C	250				RA45	1320

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:



MISSED APPROACH : LNAV

FROM

RW25

TO

BAARN

RNP	DISTANCE	PAT	MAP	HAT				HMAS			
								1175			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
4.TOWER (42-000143)	401545.00N/0762751.00W	1943	500	125	5E	1000					3000
5.TERRAIN	401548.00N/0762233.00W	1132 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
6.TREE	401618.00N/0762051.00W	1.30	890	1079	50	20	2C	300		RA45	1440
CATEGORY B											
7.TREE	401604.00N/0762051.00W	1.50	930	1119	50	20	2C	300		RA45	1480

CIRCLING REMARKS:

MSA

CENTER

RW25

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	404421.00N/0762542.00W	001	27.2	2041	250	125	4E	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
KELLER BROTHERS	K08N	RNAV (GPS) RWY 25	ORIG-B	LEBANON	PA	550	RNAV

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - ALTIMETER ADJUSTMENT IN USE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
RASS PRESSURE PATTERNS SAME
OBSTACLE #1 IS LOCATED 1372.96 FEET INTO THE SECONDARY AREA.

LPV AND LNAV/VNAV NOT DEVELOPED, NO SURVEY DATA.

TAA NOT DEVELOPED PER FPT AND AIR TRAFFIC.

PROCEDURE NA AT NIGHT APPLIED PER AWO AND EST FPT.

100' TREES USED PER EST FPT.

NO CODED OR IDENTIFIED OBSTACLES IN DATABASE. UNABLE TO VERIFY VISUAL PORTION.

NO RWY MARKINGS, TURF RWY.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	FAF	TO 1000FT POINT	5.63
WIDTH OF	INTERMEDIATE	SEGMENT AT 1000FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	216.13
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	998
DISTANCE FROM	FAF	TO 1500FT POINT	6.63
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	216.13
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	998

THRESHOLD
COORDINATES
(IF STR-IN) 401732.64N/0761937.57W

ARP COORDINATES 401729.59N/0761943.49W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 7 DISTANCE 0.22 NM

FAF
COORDINATES 402023.45N/0761405.74W

FIX NAME
COORDINATES

REMARKS
NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 793FT, ACTUAL COORDINATES: 401737.01N/0761929.08W.



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
KELLER BROTHERS	K08N	RNAV (GPS) RWY 25	ORIG-B	LEBANON	PA	550	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DUSTIN DAVIDSON	AJV-5422	07/20/2018	AERONAUTICAL INFORMATION SPECIALIST

