

**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 ID</u> LEB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> LEBANON	<u>STATE</u> NH
<u>AIRPORT ELEVATION</u> 603	<u>TDZE</u> 574	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>DATED</u> 08/15/2019	<u>EPOCH YEAR</u> 1995
<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>
CON VOR/DME		ULAKY		TF	FB	1.00	344.00	32.34	5000
MPV VOR/DME		ELHOY		TF	FB	1.00	151.19	22.42	5000
ULAKY	IAF	ROMRE		TF	FB	1.00	345.54	5.00	4800
ELHOY	IAF	ROMRE		TF	FB	1.00	165.46	5.00	4800
ROMRE	IF	SHYMO		TF	FB	1.00	255.50	6.03	3400
SHYMO	FAF	WEBIN/4.50 NM TO RW25		TF	FB	0.30	255.42	2.97	
WEBIN/4.50 NM TO RW25		RW25	MAP	TF	FO	0.30	255.42	4.50	
RW25	MAP	1003 MSL		CA			255.42		
1003 MSL		ZIECH		DF	FO	1.00			4700

MISSED APPROACH

MAP:

LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 4700 DIRECT ZIECH AND HOLD, CONTINUE TO CLIMB IN HOLD TO 4700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT ROMRE				
3. FAC:	255.42	FAF: SHYMO	DIST FAF TO MAP:	7.47	DIST FAF TO THLD: 7.47
4.	MIN ALT: ROMRE 4800, SHYMO 3400, WEBIN/4.50 NM TO RW25 2300				
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:
6.	MIN GP INCPT:	GP ALT AT FAF:		OM:	MM:
7.	GP ANGLE:	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH:	IM:
8.	MSA FROM: RW25 5500				

QUALITY
35
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA SOUTH OF RWY 7-25.
CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING RWY 7 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MPV VOR/DME ON T393 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CON VOR/DME ON T395 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 353.54 INBOUND.
CHART FAS OBST: 1418 TREE 433939N/0721342W.
CHART 2279 TOWER (33-023328) 434232N/0720915W.
CHART VDP AT 2.47 NM TO RW25.
WEBIN TO RW25: 3.50/54.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A 1100-2, CAT B 1200-2, CAT C 1300-3, CAT D 1500-3

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	1680	1 1/4	1106	1680	1 1/2	1106	1680	3	1106	1680	3	1106			
CIRCLING	1680	1 1/4	1077	1740	1 1/2	1137	1880	3	1277	2020	3	1417			

CHANGES - REASONS

- INCORPORATED PREVIOUS P-NOTAM AMDT ORIG-D INTO FORM.
- TERMINAL ROUTES: CHANGED CON VOR/DME SEGMENT RNP VALUE FROM "2" TO "1" - CURRENT DOCUMENTATION STANDARDS.
- TERMINAL ROUTES: CHANGED MPV VOR/DME SEGMENT RNP VALUE FROM "2" TO "1" - CURRENT DOCUMENTATION STANDARDS.
- MISSSED APPROACH INSTRUCTIONS: CHANGED "CLIMBING RIGHT TURN TO 4000 DIRECT ZIECH AND HOLD" TO "CLIMBING RIGHT TURN TO 4700 DIRECT ZIECH AND HOLD, CONTINUE TO CLIMB IN HOLD TO 4700" – AIRCRAFT ALTITUDE AT HOLDING DID NOT REACH PREVIOUSLY USED MIN HOLDING.
- PBN REQUIREMENTS: CHANGED "RNP APCH" TO " RNP APCH – GPS" - IAW 8260.19J, 8-6-8D(5)A(1).
- PROFILE LINE 7: ADDED "20:1 IS CLEAR" – PENETRATIONS DO NOT EXIST.
- NOTES: CHANGE "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MPV VOR/DME VIA V151 NORTHBOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MPV VOR/DME ON T393 NORTHBOUND – T393 REPLACED V151.
- NOTES: ADDED "CHART NOTE: CIRCLING NA SOUTH OF RWY 7-25" – CANCELS FDC NOTAM 5/6212.
- NOTES: ADDED "CHART NOTE: CIRCLING RWY 7 NA AT NIGHT" – UNLIT 20:1 PENETRATIONS EXIST, CANCELS FDC NOTAM 5/6212 .
- NOTES: CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CON VOR/DME AIRWAY RADIALS 330 CW 037" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CON VOR/DME ON T395 SOUTHWEST BOUND" – T395 REPLACED CONVENTIONAL AIRWAY STRUCTURE.
- NOTES: CHANGED "CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" – 20:1 PENETRATIONS NO LONGER EXIST.
- ADDITIONAL FLIGHT DATA: ADDED "CHART 2279 TOWER (33-023328) 434232N/0720915W" – NEW 7:1 OBSTACLE.
- ADDITIONAL FLIGHT DATA: REMOVED "CHART 2247 TOWER (33-000155) 434231N/0720914W, 1969 TREE 434030N/0720958W, 1559 TREE 434044N/0721257W" – OBSTACLES NO LONGER EXIST.
- ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" – NO LONGER REQUIRED PER CRITERIA.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZBW, LEB ATCT, ARPT MGR., ATA

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

OFFICE

AJV-A432

DATE

01/13/2025

APPROVED BY

CASIMIR L. TABAKA

OFFICE

AJV-A432

DATE

10/23/2025

TITLE

MANAGER



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

<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>
LEB	RNAV (GPS) RWY 25	ORIG-E	LEBANON	NH	603	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM CON VOR/DME **TO** ULAKY

RNP 1.00 DISTANCE 32.34 PAT MAP HAT HMAS

<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>
TREE	433913.20N/0715458.90W	3259	50	20	2C	2000				MT-300	5000
TERRAIN	433913.20N/0715458.90W	3159 (3200)								AS1500	4700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM MPV VOR/DME **TO** ELHOY

RNP 1.00 DISTANCE 22.42 PAT MAP HAT HMAS

<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>
AAO	435039.00N/0720145.00W	2802	164	98	4E	2000				AT198	5000
TERRAIN	435039.00N/0720145.00W	2602 (2600)								AS1500	4100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

ULAKY

TO

ROMRE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	5.00										
<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>
AAO	434045.00N/0715503.00W	2733	164	98	4E	1000				AT1067	4800
TERRAIN	434457.00N/0715921.00W	2333 (2300)								AS1500	3800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

ELHOY

TO

ROMRE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	5.00										
<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>
SPOT + AAO	434959.80N/0720143.50W	3438	1000	3	6A	1000				AT362	4800
TERRAIN	434959.80N/0720143.50W	3238 (3200)								AS1500	4700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

ROMRE

TO

SHYMO

RNP

1.00

DISTANCE

6.03

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	434314.87N/0720844.92W	2489	50	20	2C	500				AT411	3400
TERRAIN	434315.00N/0720842.00W	2248 (2200)								AS1000	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

SHYMO

TO

WEBIN/4.50 NM TO RW25

RNP

0.30

DISTANCE

2.97

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	434030.00N/0720958.00W	1969	50	20	2C	250				XL74 DG118 SA-111	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

WEBIN/4.50 NM TO RW25

TO

RW25

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.50		RW25		1106						
<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>
TREE	433939.00N/0721342.00W	1418	50	20	2C	250					1680

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW25

TO

ZIECH

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30-1.00							1580				
<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>
							ASC				4000
AAO	434721.00N/0722106.00W	2061	215	8	4B	1000					3100
TERRAIN	434721.00N/0722109.00W	1860 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

LEB

PROCEDURE NAME

RNAV (GPS) RWY 25

AMDT NO.

ORIG-E

CITY

LEBANON

STATE

NH

AIRPORT ELEVATION

603

FACILITY

RNAV

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											
TOWER (33-000199)	433914.29N/0721742.53W	1.30	1077	1256	20	3	1A	300		XP120	1680
CATEGORY B											
TOWER (33-000199)	433914.29N/0721742.53W	1.83	1137	1256	20	3	1A	300		XP180	1740
CATEGORY C											
TREE (33-024094)	433821.00N/0722203.41W	2.88	1277	1382	20	10	1B	300		XP180	1880
CATEGORY D											
AAO	434015.00N/0721349.00W	3.77	1417	1559	215	8	4B	300		XP160	2020

CIRCLING REMARKS:

UNABLE TO LOWER MINIMUMS DUE TO ABBREVIATED AMENDMENT, SHOULD BE LOWERED AT NEXT FULL AMENDMENT.
FLIGHT INSPECTION REQUESTED THE CIRCLING RESTRICTION SOUTH OF RWYS 7-25.
XP CATS A-D: MAINTAIN CURRENTLY PUBLISHED MINIMUMS.

MSA

CENTER	RADIUS
RW25	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	433618.00N/0724912.00W	282	23.0	4430	215	8	4B	1000			5500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZBW ARTCC, LEB TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	LEB	24	LEB		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

BACKUP ALTIMETER NOT REQUIRED - AIRPORT HAS REDUNDANT ALTIMETER SOURCES.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW07 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW25 - REIL (PCL), MIRL (PCL), PAPI-4R (PCL)	NPI-G	
RW18 - HIRL (PCL), REIL	PIR-G	
RW36 - HIRL (PCL), PAPI-4L (PCL)	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					4.00	50.7

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV RWY 25
34:1	
985 TREE (33-025541) 433914.01N/0721536.42W (77.44)	996 TREE (33-025007) 433922.07N/0721525.32W (55.55)
954 TREE (33-025423) 433915.41N/0721531.99W (36.07)	923 TREE (33-025532) 433911.60N/0721541.05W (27.71)
607 TREE (33-023997) 433804.33N/0721722.10W (1.87)	653 TREE (33-025550) 433812.37N/0721703.41W (0.88)
PENETRATIONS REMARKS:	



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

LPV AND LNAV/VNAV NOT DEVELOPED - SURVEY TYPE.

TAA NOT ESTABLISHED PER ATC REQUEST.

ORDER 8260.3 CHAPTER 2 APPLIED TO 2279 TOWER (33-023328) 434232.06N/0720914.61W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	THLD	TO 1000FT POINT	5.80
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.82
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	239.42
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1900
DISTANCE FROM	THLD	TO 1500FT POINT	8.30
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	2.42
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	239.50
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2200

THRESHOLD COORDINATES (IF STR-IN) 433800.72N/0721739.16W

ARP COORDINATES 433734.00N/0721815.10W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 36 DISTANCE 0.65 NM

FAF COORDINATES 434149.10N/0720847.82W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (ROBERT A. SWINSON)

OFFICE

AJV-A432

DATE

01/13/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

