

**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.

AIRPORT ID LBO	PROCEDURE NAME RNAV (GPS) RWY 36	ORIGINAL/AMENDMENT 1	CITY LEBANON	STATE MO
AIRPORT ELEVATION 1321	TDZE 1321	SUPERSEDED RNAV (GPS) RWY 36	DATED 06/16/2022	MAG VAR 3E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 7 AUGUST 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1990
			CANCEL/SUSPEND	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 269/30 CW 089/30	NOPT	269/18 CW 089/18		4600
2. 269/18 CW 089/18		PYLER	IF/IAF	3500
3. 089/30 CW 179/30		OLDIE	IAF	3500
4. 179/30 CW 269/30		MMATT	IAF	3500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MMATT	IAF	PYLER	NOPT	TF	FB	1.00	268.77	5.00	3500
OLDIE	IAF	PYLER	NOPT	TF	FB	1.00	088.65	5.00	3500
PYLER	IF/IAF	SOAKS		TF	FB	1.00	358.69	6.60	2700
SOAKS	FAF	JANTO/2.01 NM TO RW36		TF	FB	0.30	358.69	2.20	
JANTO/2.01 NM TO RW36		RW36	MAP	TF	FO	0.30	358.69	2.01	
RW36	MAP	1592 MSL		CA		1.00	358.69		
1592 MSL		WIKGI		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT WIKGI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD S PYLER, LT, 358.69 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 358.69 **FAF:** SOAKS **DIST FAF TO MAP:** 4.21 **DIST FAF TO THLD:** 4.21
- 4. **MIN ALT:** PYLER 3500, SOAKS 2700, JANTO/2.01 NM TO RW36 2000
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **271 HAT:** 0.73 **GS ANT:**
- 6. **MIN GP INCPT:** 2700 **GP ALT AT PFAF:** SOAKS 2700 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 40.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING OZS ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
 CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OZS ALTIMETER SETTING: INCREASE LNAV/VNAV DA TO 1675 FEET; INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CATS C AND D 3/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/2 SM.
 CHART SPEED ICON IN PLANVIEW AT MMATT: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT OLDIE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 178.70 INBOUND.
 FAS OBST: 1423 TREE 373836N/0923906W.
 CHART CANNON A AND B MOA.
 CHART R-4501 A, B, C, D, E, F, H.
 CHART VDP AT 1.00 NM TO RW36.

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LNAV/VNAV DA	1592	1	271	1592	1	271	1592	1	271	1592	1	271			
LNAV MDA	1680	1	359	1680	1	359	1680	1	359	1680	1	359			
CIRCLING	1780	1	459	1860	1	539	1980	1 3/4	659	1980	2	659			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT ORIG-A/B/C INTO FORM - 8260.19J PARA 8-3-4.C (3).
2. TAA, STRAIGHT-IN: DELETED ALL STRAIGHT-IN SECTORS - REPLACED BY REDESIGNED 180-DEGREE SECTORS.
3. TAA, STRAIGHT-IN: ADDED SECTOR 269/30 CW 089/30 TO 269/18 CW 089/18 - FPT REQUEST.
4. TAA, STRAIGHT-IN: ADDED STEPDOWN SECTOR 269/18 CW 089/18 TO PYLER - FPT REQUEST.
5. TAA, RIGHT BASE SECTOR 089 CW 179: CHANGED IAF FIX NAME FROM EXDUW TO OLDIE - FPT REQUEST.
6. TAA, LEFT BASE SECTOR 179 CW 269: EXPANDED RADIUS FROM 15 NM TO 30 NM AND CHANGED IAF FIX NAME FROM RUXJY TO MMATT - STANDARD RADIUS IS 30 NM, 8250.58C PARA. 2-4-3.B. AND FPT REQUEST.
7. TERMINAL ROUTES, ALL SEGMENTS: ADDED RNP VALUES - 8260.19J PARA. 8-6-4.A.(6)(B).
8. TERMINAL ROUTES, INITIAL MMATT TO PYLER: CHANGED IAF FIX NAME FROM RUXJY TO MMATT - FPT REQUEST.
9. TERMINAL ROUTES, INITIAL OLDIE TO PYLER: CHANGED IAF FIX NAME FROM EXDUW TO OLDIE - FPT REQUEST.
10. TERMINAL ROUTES, INTERMEDIATE PYLER TO SOAKS: RELOCATED PYLER, RELOCATED FAF AND CHANGED NAME FROM KUPIW TO SOAKS, CHANGED COURSE FROM 358.71 TO 358.69, AND CHANGED DISTANCE FROM 6.65 TO 6.60 NM - RELOCATION OF FAF DUE TO NEW TCH AND PFAF CALCULATION, RELOCATION OF PYLER TO REALIGN WITH NEW FAF, AND FPT REQUEST.
11. TERMINAL ROUTES: ADDED FINAL SEGMENTS FROM SOAKS TO JANTO AND JANTO TO RW18 - 8260.19J PARA. 8-6-4.
12. TERMINAL ROUTES: ADDED FINAL STEPDOWN FIX JANTO - TO MAINTAIN PUBLISHED LNAV MDA WITH NEW AAO CONTROLLING OBSTACLE, FPT REQUEST.
13. TERMINAL ROUTES, MISSED APPROACH RW36 TO ULIKY: CHANGED FROM SINGLE TF SEGMENT TO CA SEGMENT FOLLOWED BY DF SEGMENT, AND CHANGED CLEARANCE LIMIT FROM ULIKY TO WIKGI - CA-DF STRUCTURE REQUIRED FOR RNAV MISSED, AND RNAV HOLDING NOT AUTHORIZED AT A FAF (ULIKY), 8260.58C PARA. 3-5-2 AND 8260.19J PARA. 8-6-6.G.(5).
14. MISSED APPROACH, MAP - DELETED REFERENCE TO GLS - REMOVED GLS LINE OF MINIMA, FPT REQUEST.
15. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 3500 DIRECT ULIKY AND HOLD" TO "CLIMB TO 3500 DIRECT WIKGI AND HOLD" - CLEARANCE LIMIT CHANGE FROM ULIKY TO WIKGI.
16. PROFILE LINE 2: CHANGED HILPT COURSE FROM 358.71 TO 358.69 AND ADDED MAX ALTITUDE 6000 - MATCH NEW INTERMEDIATE COURSE FROM PYLER, AND 8260.19J PARA. 8-6-7.B.(2).
17. PROFILE LINE 3: CHANGED FAC FROM 358.71 TO 358.69 AND FAF NAME FROM KUPIW TO SOAKS, ADDED DIST FAF TO MAP 4.21 NM, AND CHANGED DIST FAF TO THLD FROM 4.16 TO 4.21 NM - RELOCATION OF FAF DUE TO NEW PFAF CALCULATION, FPT REQUEST, AND 8260.19J PARA. 8-6-7.C.(3).
18. PROFILE LINE 4: CHANGED KUPIW TO SOAKS AND ADDED "JANTO/2.01 NM TO RW36 2000" - NEW FAF NAME AND NEW ADDED FINAL STEPDOWN FIX.
19. PROFILE LINE 5: CHANGED "DIST TO THLD FROM 359 HAT: 1.00 NM" TO "DIST TO THLD FROM 271 HAT: 0.73 NM" - DATA MOVED FROM ADDITIONAL FLIGHT DATA AND CHANGED DUE TO NEW LNAV/VNAV DA/HAT.
20. PROFILE LINE 6: ADDED "MIN GP INCPT: 2700" AND "GP ALT AT PFAF: SOAKS 2700" - 8260.19J PARA. 8-6-7.F.(1) AND (4).
21. PROFILE LINE 7: CHANGED "34:1 IS CLEAR" TO "34:1 IS NOT CLEAR," ADDED "20:1 IS CLEAR," AND CHANGED TCH FROM 47.0 TO 40.0 - NEW VISIBILITY EVAL AND TCH CHANGED TO MATCH VGSI.
22. ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" - 8260.19J PARA. 8-6-8.D.(5)(A)1.
23. NOTES: DELETED "DME/DME RNP-0.3 NA" - REPLACED BY PBN REQUIREMENTS NOTE.
24. NOTES: CHANGED "BARO-VNAV NA WHEN USING SPRINGFIELD-BRANSON NTL ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING OZS ALTIMETER SETTING" - BACKUP ALTIMETER SOURCE CHANGED TO OZS, AND COMBINED AND MOVED VDP INFO FROM PROFILE NOTE, 8260.19J PARA. 8-6-10.E.(8) AND 8-6-10.G.(9).
25. NOTES: CHANGED "LNAV/VNAV NA BELOW -17°C (1F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - UPDATED TO CURRENT FORMAT, 8260.19J PARA. 8-6-10.R.
26. NOTES: ADDED "RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 PENETRATIONS AND 8260.19J PARA. 8-6-12.K.(2).
27. NOTES: CHANGED BACKUP ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGFIELD-BRANSON NTL ALTIMETER SETTING: INCREASE LNAV/VNAV DA TO 1786 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C 3/8 SM, CAT D 1/8 AND CIRCLING VISIBILITY CAT C/D 1/2 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OZS ALTIMETER SETTING: INCREASE LNAV/VNAV DA TO 1675 FEET; INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CATS C AND D 3/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/2 SM" - NEW BACKUP ALTIMETER SOURCE, NEW LNAV/VNAV DA, AND NEW VISIBILITY EVAL.
28. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT MMATT: MAX 210 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT OLDIE: MAX 210 KIAS" - SPEED RESTRICTIONS ADDED ON INITIAL SEGMENTS TO REDUCE DISTANCE OF TURN ANTICIPATION AND KEEP EXISTING 5 NM SEGMENT LENGTHS.
29. NOTES: DELETED PROFILE NOTE "LNAV ONLY" - NO LONGER REQUIRED.
30. ADDITIONAL FLIGHT DATA: CHANGED "HOLD S, LT, 359 INBOUND" TO "HOLD N, RT, 178.70 INBOUND" - NEW MISSED APPROACH HOLDING FIX AND PATTERN.
31. ADDITIONAL FLIGHT DATA: CHANGED "FAS OBST: 1439 TREE 373518/924006" TO "FAS OBST: 1423 TREE 373836N/0923906W" - NEW LNAV CONTROLLING OBSTACLE.
32. ADDITIONAL FLIGHT DATA: ADDED "CHART CANNON A AND B MOA" AND "CHART R-4501 A, B, C, D, E, F, H" - PILOT SITUATIONAL AWARENESS AND FPT REQUEST.
33. ADDITIONAL FLIGHT DATA: CHANGED VDP DISTANCE FROM 1.05 NM TO 1.00 NM TO RW36 AND DELETED ASTERISK - DECREASE IN LNAV MDA AND NO LONGER REQUIRED TO DESIGNATE LNAV-ONLY.
34. ADDITIONAL FLIGHT DATA: DELETED "FINAL SEGMENT: (TF)" - NO LONGER REQUIRED.
35. ALTERNATE MINIMUMS: CHANGED FROM NA TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - NOW QUALIFIES FOR ALTERNATE MINIMUMS, 8260.3F PARA. 3-4-1 AND 8260.19J PARA. 8-6-12.B.
36. MINIMUMS: DELETED GLS LINE - NO LONGER REQUIRED.
37. MINIMUMS: LOWERED LNAV/VNAV ALL CATS DA/HAT FROM 1680/359 TO 1592/271 AND VISIBILITY FROM 1 1/4 TO 1 SM - NEW OBSTACLE AND VISIBILITY EVAL.
38. MINIMUMS: LOWERED LNAV ALL CATS MDA/HAT FROM 1700/379 TO 1680/359 AND CAT D VISIBILITY FROM 1 1/4 TO 1 SM - NEW OBSTACLE AND VISIBILITY EVAL.
39. MINIMUMS: LOWERED CIRCLING CAT A MDA/HAA FROM 1820/499 TO 1780/459 - NEW OBSTACLE EVAL.



AIRPORT ID
LBO

PROCEDURE NAME
RNAV (GPS) RWY 36

ORIGINAL/AMENDMENT
1

CITY
LEBANON

STATE
MO

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: AMGR, ZKC, SGF APP CON

FLIGHT CHECKED BY

RUSSELL ROSLEWSKI

Digitally signed by

RAKE MCGRAW

Jun 24, 2025

OFFICE

AJF

DATE

06/20/2025

DEVELOPED BY

RICHARD BRUCE

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Apr 07, 2025

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DATE

04/07/2025

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Jun 24, 2025

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DATE

07/03/2025

TITLE

MANAGER

