

**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> M91	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> SPRINGFIELD	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 706	<u>TDZE</u> 706	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 04/23/2020	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 127/30 CW 307/30	NOPT	CODCA	IF/IAF	3000
2. 307/30 CW 127/30		CODCA	IF/IAF	3100

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CODCA	IF/IAF	CIRPI		TF	FB	1.00	216.72	6.90	2500
CIRPI	FAF	WEVTO/2.50 NM TO RW22		TF	FB	0.30	216.68	2.94	
WEVTO/2.50 NM TO RW22		RW22	MAP	TF	FO	0.30	216.68	2.50	
RW22	MAP	975 MSL		CA			216.68		
975 MSL		INICA		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT INICA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NE CODCA, RT, 216.72 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 216.68FAF: CIRPIDIST FAF TO MAP: 5.44DIST FAF TO THLD: 5.44

4. MIN ALT: CODCA 3000, CIRPI 2500, WEVTO/2.50 NM TO RW22 1560

5. DIST TO THLD FROM OM:MM:IM:150 HAT:269 HAT: 0.65GS ANT:

6. MIN GP INCPT: 2500GP ALT AT PFAF : CIRPI 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 60.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 39°C.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 036.54 INBOUND.
CHART FAS OBST: 833 TREE (47-057170) 363430N/0865401W.
CHART VDP AT 1.04 NM TO RW22.
WAAS CHANNEL # 42926
REFERENCE PATH ID: W22A
CHART CIRCLING ICON.
LTP HAE: 185.6 M

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
LPV DA	975	7/8	269	975	7/8	269	975	7/8	269	975	7/8	269			
LNAV/VNAV DA	1010	7/8	304	1010	7/8	304	1010	7/8	304	1010	7/8	304			
LNAV MDA	1100	1	394	1100	1	394	1100	1 1/8	394	1100	1 1/8	394			
CIRCLING	1140	1	434	1160	1	454	1360	1 3/4	654	1540	2 3/4	834			



CHANGES - REASONS

1. CHANGED PBN EQUIPMENT REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I PARA 8-6-8B.
2. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NASHVILLE ALTIMETER SETTING AND INCREASE ALL DA 78 FEET, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE AND LNAV/VNAV ALL CATS, LNAV CATS C/D, AND CIRCLING CATS C/D VISIBILITY 1/4 MILE - UPDATED PER FDC NOTAM 1/6278 AND RELOCATED TO THE 8260-9 FOR CONTINGENCY PURPOSES - 8260.19I, 8-6-9.F (3).
3. DELETED CHART NOTE: "BARO-VNAV NA WHEN USING NASHVILLE ALTIMETER SETTING" - RELOCATED TO THE 8260-9 FOR CONTINGENCY PURPOSES.
4. NEW FAS OBSTACLE FROM 829 TREE TO 833 TREE - NEW FINAL EVALUATION.
5. VDP ADDED - 20:1 IS CLEAR.
6. LOWERED LPV AND VNAV VISIBILITY FROM 1 SM TO 7/8 SM ALL CATS - UPDATED TO NEW VISIBILITY TABLES
7. CRC REMAINDER CHANGED FROM: 7DA333E0 TO: F73F225A - LTP LAT/LONG CHANGED (WITH IN CRITERIA TOLERANCE).

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, BNA APP CON, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by
JON DENTON

DATE

Feb 11, 2022

DEVELOPED BY

JON DENTON (GORDON LEMON)

Digitally signed by

JON DENTON

Feb 11, 2022

OFFICE

AJV-A432

DATE

12/10/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Feb 11, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	M91
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	363234.7510N
LTP/FTP LONGITUDE	0865457.4935W
LTP/FTP ELLIPSOIDAL HEIGHT	+01856
FPAP LATITUDE	363120.4700N
FPAP LONGITUDE	0865558.7300W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F73F225A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02153
FPAP ORTHOMETRIC HEIGHT	+02153

