

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> SFM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> SANFORD	<u>STATE</u> ME
<u>AIRPORT ELEVATION</u> 244	<u>TDZE</u> 235	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 03/26/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 17W
				<u>EPOCH YEAR</u> 1990
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CON VOR/DME		GUNTY		TF	FO	1.00	087.81	50.26	3000
SAPPE	IAF	GUNTY	NOPT	TF	FB	1.00	263.81	20.75	2400
GUNTY	IF/IAF	ZIRMU		TF	FB	1.00	255.51	6.10	1800
ZIRMU	FAF	RW25	MAP	TF	FO	0.30	255.43	4.76	
RW25	MAP	1000 MSL		CA			255.43		1000
1000 MSL		GUNTY		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2400 DIRECT GUNTY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD E GUNTY, RT, 255.51 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 255.43

FAF: ZIRMU

DIST FAF TO MAP: 4.76

DIST FAF TO THLD: 4.76
4. MIN ALT: GUNTY 2400, ZIRMU 1800
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

261 HAT: 0.66

GS ANT:
6. MIN GP INCPT: 1800

GP ALT AT PFAF: ZIRMU 1800

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 52.0
8. MSA FROM: RW25 3600

QUALITY  
10  
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ROCHESTER ALTIMETER SETTING.  
CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAPPE ON V268, T358 NORTHEAST BOUND.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV OR LNAV CATS A AND B.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 AND LNAV CATS C/D VISIBILITY TO 1 3/8.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER ALTIMETER SETTING: INCREASE LPV DA TO 534; INCREASE LNAV/VNAV DA TO 713 AND VISIBILITY ALL CATS 1/8 SM; INCREASE ALL MDAS 40 FEET AND LNAV CATS C/D VISIBILITY 1/8 SM AND CIRCLING CAT C VISIBILTY 1/4 SM.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 AND LNAV CATS C/D VISIBILITY TO 1 3/8.

ADDITIONAL FLIGHT DATA:

FAS OBST: 419 AAO 432541N/0703815W.  
CHART VDP AT 1.26 NM TO RW25.  
WAAS CHANNEL # 53521  
REFERENCE PATH ID: W25A  
CHART CIRCLING ICON.  
LTP HAE: 44.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1000-2 3/4, CAT D 1000-3, 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	HAT/HAA
LPV DA	496	3/4	261	496	3/4	261	496	3/4	261	496	3/4	261			
LNAV/VNAV DA	675	1 1/8	440	675	1 1/8	440	675	1 1/8	440	675	1 1/8	440			
LNAV MDA	680	3/4	445	680	3/4	445	680	1 1/8	445	680	1 1/8	445			
CIRCLING	760	1	516	760	1	516	1180	2 3/4	936	1240	3	996			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT ORIG-C INTO FORM - IAW 8260.19I PARA 8-3-4.C (3).  
2. REMOVED FEEDER FROM MHT VOR/DME - MHT VOR MON.  
3. PROFILE LINE 2: ADDED "MAX 6000" - IAW 8260.19I, 8-6-7.B(2).  
4. PROFILE LINE 5: ADDED "261 HAT: 0.66" - IAW 8260.19I 8-6-7.E.  
5. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - NO 20:1 PENETRATIONS DOCUMENTED.  
6. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.  
7. AMENDED NOTE FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19I PARA 8-6-11.K (3).  
8. UPDATED "CHART PROFILE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - IAW 8260.19I 8-6-9.R.  
9. UPDATED CHART PROFILE NOTE FROM "PROCEDURE NA FOR ARRIVALS AT MHT VOR/DME ON V106 SOUTHWEST BOUND AND AT SAPPE ON V268 NORTHEAST BOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAPPE ON V268, T358 NORTHEAST BOUND" - IAW MHT VOR MON AND T358 BEING ESTABLISHED ON THE 1/25 CHART CYCLE.  
10. UPDATED CHART NOTE: FROM "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV OR LNAV CATS A/B" AND "FOR INOPERATIVE ODALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 AND LNAV CATS C/D VISIBIUTY TO 1 1/4" TO "INOPERATIVE TABLE DOES NOT APPLY TO LPV OR LNAV CATS A AND B" AND "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 AND LNAV CATS C/D VISIBILITY TO 1 3/8" - IAW 8260.19I.O.(3).  
11. UPDATED CHART NOTE: FROM "...INCREASE ALL MDAS 40 FEET AND LNAV CATS C/D VISIBILITY 1/8 SM;" TO "...INCREASE ALL MDAS 40 FEET AND LNAV CATS C/D VISIBILITY 1/8 SM AND CIRCLING CAT C VISIBILITY 1/4 SM;" AND DIVIDED "FOR INOPERATIVE ODALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 AND LNAV CATS C/D VISIBILITY TO 1 3/8." INTO A SEPARATE NOTE - IAW 8260.19I 8-6-9 E(2).  
12. ADD FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 261 HAT: 0.66 NM" NOTE - DATA NOW LOCATED ON PROFILE LINE 5.  
13. ADD FLIGHT DATA: REMOVED "LNAV ONLY" AND THE "\*" FROM "CHART VDP..." NOTE - NO LONGER REQUIRED.  
14. UPDATED VISIBILITIES AS FOLLOWS: LPV ALL CATS 1 SM TO 3/4 SM, LNAV/VNAV ALL CATS 1 3/8 SM TO 1 1/8 SM, LNAV CATS A AND B 1 SM TO 3/4 SM - IAW 8260.19I TABLES 3-3-1, 3-3-3, AND 3-3-4.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒

OTHER: ZBW, BOS APP CI, PWM 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*

CASIMIR L TABAKA

Mar 01, 2024

DATE

DEVELOPED BY

CASIMIR L. TABAKA (GEORGE H. TYLER)

OFFICE

*Digitally signed by*

CASIMIR L TABAKA

Mar 01, 2024

AJV-A432

DATE

11/22/2023

APPROVED BY

CASIMIR L. TABAKA

*Digitally signed by*

CASIMIR L TABAKA

Mar 01, 2024

OFFICE

AJV-A430

DATE

TITLE

MANAGER



AIRPORT ID  
SFM

PROCEDURE NAME  
RNAV (GPS) RWY 25

ORIGINAL/AMENDMENT  
ORIG-D

CITY  
SANFORD

STATE  
ME

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFM
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	432343.0920N
LTP/FTP LONGITUDE	0704201.8975W
LTP/FTP ELLIPSOIDAL HEIGHT	+00444
FPAP LATITUDE	432256.3400N
FPAP LONGITUDE	0704345.9300W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	2696DE8A
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00710
FPAP ORTHOMETRIC HEIGHT	+00710

