

**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 7	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> SANFORD	<u>STATE</u> ME
<u>AIRPORT ELEVATION</u> 244	<u>TDZE</u> 241	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>DATED</u> 03/26/2020	<u>MAG VAR</u> 17W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1990
			<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>
ENE VOR/DME		HAVAN		TF	FO	1.00	256.87	17.58	3000
CON VOR/DME	IAF	HAVAN	NOPT	TF	FB	1.00	099.41	27.20	3000
HAVAN	IF/IAF	FACNO		TF	FB	1.00	075.18	6.10	2300
FACNO	FAF	XAWFE/2.30 NM TO RW07		TF	FB	0.30	075.27	3.99	
XAWFE/2.30 NM TO RW07		RW07	MAP	TF	FO	0.30	075.27	2.30	
RW07	MAP	441 MSL		CA			075.27		
441 MSL		YEYUV		DF	FB	1.00			
YEYUV		ENE VOR/DME		TF	FO	1.00	085.11	2.62	3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW07

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT YEYUV AND ON TRACK 085.11 TO ENE VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD W HAVAN, RT, 075.18 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 075.27	FACNO		DIST FAF TO MAP: 6.29	DIST FAF TO THLD: 6.29	
4. MIN ALT: HAVAN 3000, FACNO 2300, XAWFE/2.30 NM TO RW07 1020					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:
6. MIN GP INCPT: 2300	GP ALT AT PFAF: FACNO 2300			OM:	MM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 57.1		IM:
8. MSA FROM: RW07 3600					

QUALITY
10
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ROCHESTER ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER ALTIMETER SETTING: INCREASE LPV DA TO 479; INCREASE LNAV/VNAV DA TO 699 AND VISIBILITY ALL CATS 1/8 SM; INCREASE ALL MDAS 40 FEET, AND CIRCLING CAT C VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 242.00 INBOUND.
CHART FAS OBST: 579 TREES 432125N/0704542W.
CHART VDP AT 1.72 NM TO RW07.
WAAS CHANNEL # 86921
REFERENCE PATH ID: W07A
CHART CIRCLING ICON.
LTP HAE: 46.7 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	441	3/4	200	441	3/4	200	441	3/4	200	441	3/4	200			
LNAV/VNAV DA	650	1 3/8	409	650	1 3/8	409	650	1 3/8	409	650	1 3/8	409			
LNAV MDA	840	1	599	840	1	599	840	1 3/4	599	840	1 3/4	599			
CIRCLING	840	1	596	840	1	596	1180	2 3/4	936	1240	3	996			

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT ORIG-D INTO FORM - IAW 8260.19I PARA 8-3-4.C (3).
- REMOVED FEEDER FROM MHT VOR/DME - MHT VOR MON.
- PROFILE LINE 2: ADDED "MAX 6000" - IAW 8260.19I, 8-6-7.B(2).
- PROFILE LINE 5: ADDED "200 HAT: 0.45" - IAW 8260.19I 8-6-7.E.
- PROFILE LINE 7: ADDED "20:1: IS CLEAR" - NO 20:1 PENETRATIONS DOCUMENTED.
- REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.
- 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.
- AMENDED NOTE FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19I PARA 8-6-11.K (3).
- UPDATED REMOTE ALTIMETER LOCATION NAME IN ALL APPLICABLE NOTES, REMOVED ", NH" - IAW 8260.19I 8-6-11.N.(1)(A).
- ADD FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 200 HAT: 0.45 NM" NOTE - DATA NOW LOCATED ON PROFILE LINE 5.
- ADD FLIGHT DATA: REMOVED "LNAV ONLY" AND THE * FROM "CHART VDP..." NOTE AND FROM PROFILE LINE 4 "1020" ALT - NO LONGER REQUIRED.



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

ZBW, BOS APP CON, 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)

Digitally signed by

CASIMIR L TABAKA

Mar 01, 2024

OFFICE

AJV-A432

DATE

11/14/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Mar 01, 2024

OFFICE

AJV-A430

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KSFM
RW07
0
0
W07A
432312.0110N
0704311.0760W
+00467
432358.7500N
0704127.0300W
00057.1
F
03.00
106.75
0800
40.0
35.0

CRC REMAINDER

F4985512

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00733
+00733



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>
SFM	RNAV (GPS) RWY 7	ORIG-E	SANFORD	ME	244	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM ENE VOR/DME **TO** HAVAN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	17.58				

<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>
TREES	432302.80N/0704704.80W	979	50	20	2C	1000				AT1021	3000
TERRAIN	432302.80N/0704704.80W	879 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM CON VOR/DME **TO** HAVAN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	27.20				

<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	431707.30N/0711026.50W	1620	1000	3	6A	1000				AT380	3000
TERRAIN	431707.30N/0711026.50W	1420 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

INTERMEDIATE

FROM

HAVAN (IF/IAF)

TO

FACNO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	6.10										
<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	431642.00N/0705618.00W	762	164	98	4E	500				AC98 AT940	2300
TERRAIN	431642.00N/0705618.00W	562 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

FACNO

TO

RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	6.29		DA		200						
<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				441

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

FACNO

TO

RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	6.29		DA				409				
<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>
TREES (KSFMT1554)	432210.44N/0704359.24W	370	20	3	1A		23.44:1				650

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

FACNO

TO

XAWFE/2.30 NM TO RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.99										
<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	432014.20N/0704817.40W	679	50	20	2C	250				RA38 DG38 XL15	1020

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

XAWFE/2.30 NM TO RW07

TO

RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			<u>IS</u>
0.30	2.30		RW07				599				CHECKED
<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>
TREES	432125.25N/0704542.10W	579	50	20	2C	250					840

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

HAVAN

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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>
AAO	431309.00N/0710915.00W	1129	164	98	4E	1000				AT871	3000
TERRAIN	431309.00N/0710915.00W	929 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

ENE VOR/DME

<u>RNP</u> 0.30	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 271			
<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				3000
TREES	432354.48N/0704308.33W	459	50	20	2C	1000					1500
TERRAIN	432354.48N/0704308.33W	359 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

ENE VOR/DME

RNP	DISTANCE	PAT	MAP			HAT	HMAS				
0.30							489				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TREES	432354.48N/0704308.33W	459	50	20	2C	1000					1500
TERRAIN	432354.48N/0704308.33W	359 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW07

TO

ENE VOR/DME

RNP	DISTANCE	PAT	MAP			HAT	HMAS				
0.30							740				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TREES	432354.48N/0704308.33W	459	50	20	2C	1000					1500
TERRAIN	432354.48N/0704308.33W	359 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

SFM

PROCEDURE NAME

RNAV (GPS) RWY 7

AMDT NO.

ORIG-E

CITY

SANFORD

STATE

ME

AIRPORT ELEVATION

244

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											
TREE	432406.00N/0704400.00W	1.30	596	450	50	20	2C	300		SI	840
CATEGORY B											
TREE	432406.00N/0704400.00W	1.81	596	450	50	20	2C	300		SI	840
CATEGORY C											
TREE (23-025637)	432300.44N/0704702.52W	2.85	936	880	20	10	1B	300			1180
CATEGORY D											
TREE	432303.00N/0704709.00W	3.72	996	926	50	20	2C	300			1240

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW07	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (23-000419)	435044.00N/0704543.00W	013	27.6	2549	250	50	4D	1000			3600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZBW ARTCC, BOS APP CON, PWM APP CON, BGR FSS

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> SFM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> SFM	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> DAW	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> DAW	<u>DISTANCE</u> 11.70	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 38

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KSFM 244, KDAW 322
RA = 37.8.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u> 3
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14 - MIRL (PCL), PAPI-4L		BSC-G	
RW32 - MIRL (PCL), PAPI-4L		BSC-G	
RW25 - ODALS (PCL), HIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW07 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 240.5	<u>TCH</u> 57.1	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 52.5
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -15C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -15C	<u>APT ISA</u> +14.52C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 958 HIGH TEMP 1264.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, LNAV
34:1	
289 TREE (KSFMT0443) 432258.72N/0704327025W (4.34)	

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 FOOT TREES USED PER EASTERN FPT.

MANUAL EVALUATION OF TERRAIN ACCOMPLISHED IN FEEDER, FINAL, STEPDOWN, CIRCLING, AND MISSED APPROACH SEGMENTS FOR CONTROLLING OBSTACLE AND AIRSPACE EVALUATIONS DUE TO DTED INACCURACY WHEN COMPARED AGAINST QUAD MAP

4D ACCURACY APPLIED TO 2549 MSL TOWER (23-000419) IN MSA PER 1998-ANE-62-OE.

FPT NOTIFIED OF VISUAL SURFACE PENETRATION.

FPT AND AIRPORT MANAGER REPORT THE FOLLWING OBSTACLES HAVE BEEN REMOVED. FPT HAS ALSO NOTIFIED ORS TEAM TO REMOVE THESE OBSTACLES FROM THE DATABASE:

293 MSL TREE (23-021551) 432306.02N/0704324.25W

292 MSL TREE (23-021552) 432307.18N/0704326.96W

296 MSL TREE (23-021549) 432305.94N/0704312.93W

299 MSL TREE (23-021550) 432302.86N/0704320.70W

303 MSL TREE (23-021553) 432309.74N/0704329.11W

289 MSL TREE (23-021555) 432312.91N/0704322.24W

313 MSL TREE (23-021554) 432312.05N/0704326.39W

302 MSL TREE (KSFMT1259) 432300.54N/0704334.67W

294 MSL TREE (KSFMT1591) 432259.55N/0704331.14W

289 MSL TREE (KSFMT1590) 432259.68N/0704329.10W

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> SFM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> SANFORD	<u>STATE</u> ME	<u>AIRPORT ELEVATION</u> 244	<u>FACILITY</u> RNAV
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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	3.71
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.22
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	058.27
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	5.69
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	058.27
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)

432312.01N/0704311.08W

ARP COORDINATES

432337.70N/0704228.80W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 7 DISTANCE 0.67 NM

FAF COORDINATES

431953.71N/0705031.25W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR L. TABAKA (GEORGE H. TYLER)	AJV-A432	11/14/2023	AERONAUTICAL INFORMATION SPECIALIST

