

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> KMMI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> 1E	<u>CITY</u> ATHENS	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 874	<u>TDZE</u> 874	<u>SUPERSEDED</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> 1D	<u>DATED</u> 10/06/2022	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1990
<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>
MARBL		GROSS		TF	FB	1.00	346.03	26.71	6300
IXABE	IAF	HUVEP	NOPT	TF	FB	1.00	111.69	5.00	3100
GROSS	IAF	HUVEP	NOPT	TF	FB	1.00	281.88	7.13	3100
HUVEP	IF/IAF	GIMFY		TF	FB	1.00	201.75	6.10	2800
GIMFY	FAF	NONOC/3.10 NM TO RW20		TF	FB	0.30	201.73	2.73	
NONOC/3.10 NM TO RW20		RW20	MAP	TF	FO	0.30	201.73	3.10	
RW20	MAP	1174 MSL		CA			201.73		
1174 MSL		ZAGUG		DF	FO	1.00			4100

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW20

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4100 DIRECT ZAGUG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
34
CHECKED

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B, C 900-2 1/2, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	1174	1	300	1174	1	300	1174	1	300	1174	1	300			
LNAV/VNAV DA	1718	2 1/2	844	1718	2 1/2	844	1718	2 1/2	844	1718	2 1/2	844			
LNAV MDA	1620	1	746	1620	1 1/4	746	1620	2	746	1620	2	746			
CIRCLING	1620	1	746	1620	1 1/4	746	1620	2 1/4	746	1820	3	946			

CHANGES - REASONS

1. INCORPORATED P-NOTAMS 6/2609 FOR AMDT 1B, 1/1863 FOR AMDT 1C, AND 2/3856 FOR AMDT 1D.
2. DELETED FEEDER PEEKS TO IXABE IN TERMINAL ROUTES -- FPT REQUEST DUE TO V51 CANCELLATION.
3. ADDED "MAX 6000" TO PROFILE LINE 2 -- UPDATED IAW 8260.19I, 8-6-7.B(2).
4. DELETED "CHART FAS OBST: 1299 TREE 352635N/0843305W" IN ADDITIONAL FLIGHT DATA -- LNAV/VNAV OBSTACLE; UPDATED IAW 8260.19I, 8-6-10.C.
5. CHANGED PROCEDURE NA FOR ARRIVALS CHART PLANVIEW NOTE FROM "...MARBL ON V51 SOUTHEAST BOUND" TO "...MARBL ON V97 SOUTHBOUND" -- V51 CANCELED AND GREATER THAN 90 DEGREE TURN TO GROSS FROM V97 SOUTHBOUND; UPDATED IAW 8260.58B, 1-2-5.A(3).
6. CHANGED BACKUP ALTIMETER NOTE FROM "...INCREASE LPV DA TO 1275 FEET AND ALL CATS VISIBILITY 1/2 SM; LNAV/VNAV DA TO 1819 FEET AND ALL CATS VISIBILITY 1 SM; INCREASE ALL MDAS 120 FEET AND LNAV CAT B AND CIRCLING CATS A/C VISIBILITY 1/4 SM, INCREASE LNAV CATS C/D VISIBILITY 1/2 SM" TO "...INCREASE LPV DA TO 1275 FEET AND VISIBILITY ALL CATS 1/8 SM; INCREASE LNAV/VNAV DA TO 1819 FEET AND VISIBILITY ALL CATS 1 1/2 SM; INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C AND D 1/2 SM, AND CIRCLING VISIBILITY CAT A AND C 1/4 SM" -- UPDATED IAW 8260.3E VISIBILITY TABLES.
7. CHANGE ALTERNATE MINIMUMS FROM "NA" TO "CAT A, B, C 900-2 1/2, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE" -- KTYS ALTIMETER IS ASOS ON WMSCR; UPDATED IAW 8260.19I, 8-6-9.F(7) AND 8-6-11.B(4).

COORDINATED WITH:**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HA1** ☐ **NBAA** ☒ **OTHER:** ZTL, TYS 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**DATE**Digitally signed by
JASON KRETSCHMER
Mar 10, 2023**DEVELOPED BY**

JASON KRETSCHMER (DANIEL C JOHNSEN)

Digitally signed by

JASON KRETSCHMER

Mar 10, 2023

OFFICE

AJV-A421

DATE

12/27/2022

APPROVED BY

JASON KRETSCHMER

Digitally signed by

JASON KRETSCHMER

Mar 10, 2023

OFFICE

AJV-A421

DATE**TITLE**
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMMI
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	352427.3000N
LTP/FTP LONGITUDE	0843329.9400W
LTP/FTP ELLIPSOIDAL HEIGHT	+02363
FPAP LATITUDE	352302.7800N
FPAP LONGITUDE	0843404.8900W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0784
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B1943B11

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02665
FPAP ORTHOMETRIC HEIGHT	+02665

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

<u>AIRPORT ID</u> KMMI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20	<u>AMDT NO.</u> 1E	<u>CITY</u> ATHENS	<u>STATE</u> TN	<u>AIRPORT ELEVATION</u> 874	<u>FACILITY</u> RNAV
---------------------------	--	-----------------------	-----------------------	--------------------	---------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM MARBL TO GROSS

<u>RNP</u>	<u>DISTANCE</u> 26.71	<u>PAT</u>	<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	351503.00N/0840754.00W	4239	164	98	4E	2000					6300
												TERRAIN	351503.00N/0840754.00W	4039 (4000)								AS1500	5500

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM IXABE TO HUVEP

<u>RNP</u>	<u>DISTANCE</u> 5.00	<u>PAT</u>	<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>
												TOWER (47-001606)	353717.00N/0842859.00W	1502	500	125	5E	1000				AT598	3100
												TERRAIN	353515.00N/0843442.00W	1283 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM
GROSS

TO
HUVEP

RNP	DISTANCE 7.13	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-000933)	353433.70N/0842242.88W		1737	50	20	2C	1000				AT363	3100
TERRAIN	353433.70N/0842242.88W		1367 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
HUVEP (IF/IAF)

TO
GIMFY

RNP	DISTANCE 6.10	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	353135.50N/0842637.60W		1769	1000	3	6A	500				SA-137	2200
TERRAIN	353433.00N/0842733.00W		1310 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

1769 MSL AAO LOCATED 2262 FEET INTO SECONDARY AREA.



FINAL: LPV

FROM
GIMFY

TO
RW20

<u>RNP</u>	<u>DISTANCE</u> 5.83	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 300			<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>
TREE (47-027708)	352432.26N/0843322.22W		988	50	20	2C		34:1			AC20	1174

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM
GIMFY

TO
RW20

<u>RNP</u>	<u>DISTANCE</u> 5.83	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 844			<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>
TREE	352635.25N/0843305.10W		1299	50	20	2C		34:1			AC20	1718

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV

FROM
GIMFY

TO
NONOC/3.10 NM TO RW20

RNP	DISTANCE 2.73	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	352753.10N/0843140.82W		1519	50	20	2C	250				RA101 DG20	1900

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM
NONOC/3.10 NM TO RW20

TO
RW20

RNP	DISTANCE 3.10	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	352727.87N/0843246.90W		1359	50	20	2C	250					1620

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
HUVEP

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (47-001384)	353332.29N/0843244.26W		1546	20	3	1A	1000				AT554	3100
TERRAIN	353433.00N/0842733.00W		1310 (1300)								AS1500	2800

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
ZAGUG

RNP	DISTANCE	PAT	MAP	HAT			HMAS 965					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4100
AAO	350921.00N/0843639.00W		2395	164	98	4E	1000					3400
TERRAIN	350921.00N/0843639.00W		2195 (2200)								AS1500	3700

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
ZAGUG

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1320					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4100
AAO	350921.00N/0843639.00W		2395	164	98	4E	1000					3400
TERRAIN	350921.00N/0843639.00W		2195 (2200)								AS1500	3700

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

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM
RW20

TO
ZAGUG

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1370					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4100
AAO	350921.00N/0843639.00W		2395	164	98	4E	1000					3400
TERRAIN	350921.00N/0843639.00W		2195 (2200)								AS1500	3700

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

SEGMENT REMARKS:



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 (47-027834)	352417.87N/0843503.73W	1.30	746	1225	50	20	2C	300		SI	1620
CATEGORY B											
TREE (47-027280)	352606.47N/0843336.25W	1.84	746	1269	50	20	2C	300		SI	1620
CATEGORY C											
TOWER (47-001631)	352615.23N/0843459.04W	2.89	746	1300	50	20	2C	300		SI	1620
CATEGORY D											
AAO	352752.80N/0843140.69W	3.77	946	1520	50	20	2C	300			1820

CIRCLING REMARKS:

MSA

CENTER
RW20

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	351905.60N/0835922.30W	104	28.4	5780	1000	3	6A	1000			6800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT: 100 FEET.

TAA NOT DEVELOPED PER FPT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZTL ARTCC, TYS APP CON, BNA FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KMMI	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KMMI	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KTYS	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KTYS	<u>DISTANCE</u> 37.14	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 101

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KMMI 874, KTYS 971
RA = 100.3.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW02 - MIRL, REIL, TAXI WAY, PAPI-2L (PCL)		NPI-G	
RW20 - MIRL, REIL, PAPI-2L (PCL), TAXI WAY		NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 874.3	<u>TCH</u> 40.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 40.7
---------------------------------	------------------------------------	--------------------	------------------------	--------------------------	---------------------------	--------------------

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -16C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -16C	<u>APT ISA</u> +13.27C
-----------------------------	------------------------------	--------------------	---------------------------

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 983 HIGH TEMP 1275.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 2		
20:1			
881 TREE (47-026933) 352330.50N/0843356.54W (47.39)		880 TREE (47-026934) 352329.55N/0843356.88W (41.39)	
881 TREE (47-026935) 352328.62N/0843357.79W (36.73)		863 TREE (47-026932) 352331.32N/0843355.89W (34.18)	
868 TREE (47-026466) 352327.45N/0843358.64W (17)		861 TREE (47-026468) 352327.63N/0843357.72W (12.08)	
857 TREE (47-026936) 352328.28N/0843357.21W (11.87)		814 BUILDING (47-026985) 352334.21N/0843354.35W (1.07)	
Final Type	LPV, LNAV/VNAV, LNAV		
34:1			
950 TREE (47-026536) 352447.11N/0843326.03W (22.73)		941 TREE (47-027666) 352443.23N/0843318.05W (18.43)	
949 TREE (47-026174) 352448.40N/0843325.98W (18.06)		983 TREE (47-026061) 352456.58N/0843309.57W (16.2)	
950 TREE (47-026538) 352449.95N/0843326.94W (15.44)		912 BUILDING (47-069826) 352436.09N/0843322.19W (12.77)	
945 TREE (47-068676) 352448.67N/0843325.20W (12.69)		936 TREE (47-026539) 352446.28N/0843324.85W (10.15)	
939 TREE (47-026173) 352446.02N/0843319.00W (9.31)		908 TERRAIN (47-027714) 352436.51N/0843322.64W (7.94)	
933 TREE (47-026532) 352445.25N/0843321.44W (7.38)		906 BUILDING (47-027477) 352436.42N/0843323.35W (6.75)	
959 TREE (47-026064) 352452.55N/0843312.40W (5.76)		933 TREE (47-026533) 352446.33N/0843322.74W (5.36)	
990 TREE (47-026172) 352502.11N/0843306.00W (4.84)		933 TREE (47-026475) 352445.86N/0843320.01W (4.55)	
930 TREE (47-026474) 352444.76N/0843319.04W (3.89)		938 TREE (47-026535) 352448.24N/0843320.26W (3.04)	
934 TREE (47-027316) 352445.87N/0843316.43W (2.72)		968 TREE (47-027710) 352456.40N/0843310.82W (2.68)	
934 TREE (47-026534) 352447.50N/0843322.13W (2.59)		934 TREE (47-027315) 352446.66N/0843318.21W (1.89)	
901 FENCE (47-021780) 352437.01N/0843325.48W (1.75)		930 TREE (47-026473) 352445.42N/0843317.79W (1.05)	
937 TREE (47-027314) 352447.47N/0843315.94W (0.84)		990 TREE (47-026050) 352503.64N/0843306.15W (0.64)	
930 TREE (47-069827) 352447.27N/0843323.80W (0.54)			

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.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KMMI	PROCEDURE NAME RNAV (GPS) RWY 20	AMDT NO. 1E	CITY ATHENS	STATE TN	AIRPORT ELEVATION 874	FACILITY RNAV
--------------------------------	---	----------------------------	----------------------------	-------------------------	--------------------------------------	------------------------------

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	4.16
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	198.73
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	5.83
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	198.73
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD
COORDINATES
(IF STR-IN)

352427.30N/0843329.94W

ARP COORDINATES

352357.10N/0843342.40W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 2 DISTANCE 0.53 NM

FAF
COORDINATES

352958.93N/0843112.58W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
34
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 11 of 12

PART E: PREPARED BY

<u>NAME</u> JASON KRETSCHMER (DANIEL C JOHNSEN)	<u>OFFICE</u> AJV-A421	<u>DATE</u> 12/27/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
--	---------------------------	---------------------------	---

