

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23

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> KESC	<u>PROCEDURE NAME</u> VOR RWY 1	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> ESCANABA	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 609	<u>TDZE</u> 600	<u>SUPERSEDED</u> VOR RWY 1	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> ESC	<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>

MISSED APPROACH

MAP:
ESC VOR/DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 2400 THEN RIGHT TURN DIRECT ESC VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 171.00 OUTBOUND 2200 FT WITHIN 10 MILES OF ESC VOR/DME (IAF)
2.
3. FAF: 351.00 FAF: DIST FAF TO MAP: DIST FAF TO THLD:
4. MIN ALT:
8. MSA FROM: ESC VOR/DME 360-090 3100, 090-360 2600

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CAUTION: MAGNETIC DISTURBANCES OF AS MUCH AS 14 DEGREES EXISTS AT GROUND LEVEL AT ESCANABA.



ADDITIONAL FLIGHT DATA:

HOLD S, RT, 351.00 INBOUND.
CHART FAS OBST: 730 RIG (26-001751) 454309N/0870350W.
CHART VDP AT 1.71 DME;
DISTANCE VDP TO THLD 1.44 NM.
FAC 34 FT L OF RWY C/L EXTENDED 3000 FT FROM THLD.
CHART CIRCLING ICON.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 9.89 DEGREES.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, 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
S-1	1080	1	480	1080	1	480	1080	1 3/8	480	1080	1 3/8	480			
CIRCLING	1080	1	471	1080	1	471	1280	2	671	1480	2 3/4	871			

CHANGES - REASONS

1. REMOVED NOTE STRAIGHT-IN RWY 1 NA AT NIGHT, CIRCLING RWY 1, 19 NA AT NIGHT. - 20:1 SURFACES ARE CLEAR.
2. CHANGED NOTE FROM RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - 20:1 IS NOW CLEAR, 34:1 IS NOT CLEAR, NOTE IAW 8260.19I.
3. UPDATED BACK-UP ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARQUETTE ALTIMETER SETTING AND INCREASE ALL MDA 180 FEET AND INCREASE S-01 CAT C AND D VISIBILITY 1/2 SM, CIRCLING CAT C VISIBILITY 1/2 SM AND CAT D VISIBILITY 1/4 SM." TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARQUETTE ALTIMETER SETTING AND INCREASE ALL MDAS 180 FEET AND VISIBILITY CAT C AND D 1/2 SM. VDP NA WHEN USING MARQUETTE ALTIMETER SETTING." AND MOVED TO THE BACK OF THE -9. - 8260.19I
4. ADDED ADDITIONAL FLIGHT DATA: CHART VDP AT 1.71 DME; DISTANCE VDP TO THLD 1.44 NM. - VDP NOW PUBLISHABLE, 20:1 CLEAR.
5. ADDED ADDITIONAL FLIGHT DATA CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 9.89 DEGREES/ - 8260.19I
6. ADDITIONAL FLIGHT DATA CHANGED FROM CHART FAS OBST: 730 RIG 454309N/0870350W TO CHART FAS OBST: 730 RIG (26-001751) 454309N/0870350W. - ADDED OBSTACLE ID IAW 8260.19I.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, 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
CASIMIR L TABAKA
Jul 21, 2022

DEVELOPED BY

TYLER MITCHELL

Digitally signed by
TYLER D MITCHELL

Jun 13, 2022

OFFICE

AJV-A432

DATE

05/10/2022

APPROVED BY

CASIMIR TABAKA

Digitally signed by
CASIMIR L TABAKA
Jul 21, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> KESC	<u>PROCEDURE NAME</u> VOR RWY 1	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> ESCANABA	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 609	<u>FACILITY</u> ESC
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PART A: OBSTRUCTION DATA SEGMENTS

FINAL: PT

FROM
10 NM

TO
ESC VOR/DME

<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u> ESC VOR/DME	<u>HAT</u> 480	<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>
1.RIG (26-001751)	454309.00N/0870350.00W		730	18228	1500		300				AC50	1080

COMPUTATIONS

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

SEGMENT REMARKS:

PROCEDURE TURN

FROM
ESC VOR/DME

TO
10 NM

<u>RNP</u>	<u>DISTANCE</u>	<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>
1.RIG (26-001751)	454309.00N/0870350.00W		730	250	50	4D	1000				AT470	2200
2.OVER WATER	454100.00N/0870400.00W		599 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



MISSED APPROACH

FROM
ESC VOR/DME

TO
ESC VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 780					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2400
3.TOWER (26-001628)	454647.05N/0870825.76W		1168	20	3	1A	1000				AT200	2400
4.TERRAIN	455012.00N/0871124.00W		834 (800)	250	125	4E					AS1500	2300

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
5.TANK (26-001301)	454449.27N/0870439.87W	1.30	471	759	20	3	1A	300		SI	1080
CATEGORY B											
6.BLDG (26-020760)	454443.47N/0870316.06W	1.83	471	778	20	3	1A	300			1080
CATEGORY C											
7.TOWER (26-000196)	454548.00N/0870542.00W	2.87	671	915	500	50	5D	300		AC50	1280
CATEGORY D											
3.TOWER (26-001628)	454647.05N/0870825.76W	3.75	871	1168	20	3	1A	300			1480

CIRCLING REMARKS:



MSA

CENTER

ESC VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-090	TOWER (26-000434)	460805.00N/0865656.00W	013	25.4	2022	250	50	4D	1000			3100
090-360	TOWER (26-002590)	455741.91N/0873923.82W	301	27.8	1576	500	50	5D	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> KESC	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KESC	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KSAW	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSAW	<u>DISTANCE</u> 39.91	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 178

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KESC 609, KSAW 1221
RA = 177.5.

<u>PRIMARY NAVAID</u> ESC VOR/DME	<u>MONITOR POINT</u> MCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW01 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW19 - MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW10 - MALSR (PCL), HIRL (PCL)		PIR-F	
RW28 - HIRL (PCL), REIL (PCL), PAPI-4R (PCL)		PIR-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 26.6
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	3000	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="checkbox"/>	34	FT L OF CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	S-1
20:1	
.	
Final Type	S-1
34:1	
655 TREE (26-028404) 454249.15N/0870508.22W (18.17)	635 TREE (26-037194) 454254.07N/0870506.28W (12.89)
651 TREE (26-031026) 454246.92N/0870518.84W (7.18)	636 TREE (26-032441) 454251.70N/0870506.57W (6.82)
645 TREE (26-030716) 454248.37N/0870512.93W (5.7)	645 TREE (26-030578) 454247.93N/0870504.32W (4.66)
641 TREE (26-030543) 454249.19N/0870511.27W (4.19)	642 TREE (26-032442) 454248.83N/0870509.03W (4.19)
649 TREE (26-031028) 454246.09N/0870516.06W (2.8)	644 TREE (26-030884) 454246.94N/0870517.28W (0.29)
642 TREE (26-042413) 454247.51N/0870515.76W (0.04)	

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.

CONTINGENCY NOTE: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARQUETTE ALTIMETER SETTING AND INCREASE ALL MDAS 180 FEET AND VISIBILITY CAT C AND D 1/2 SM. VDP NA WHEN USING MARQUETTE ALTIMETER SETTING.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<div>AIRPORT ID KESC</div>	<div>PROCEDURE NAME VOR RWY 1</div>	<div>AMDT NO. ORIG-E</div>	<div>CITY ESCANABA</div>	<div>STATE MI</div>	<div>AIRPORT ELEVATION 609</div>	<div>FACILITY ESC</div>
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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	FACILITY	TO 1000FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	351.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	FACILITY	TO 1500FT POINT	7.0
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	351.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD
COORDINATES
(IF STR-IN)

454306.15N/0870512.27W

ARP COORDINATES

454321.63N/0870537.38W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 10 DISTANCE 0.77 NM

FAF
COORDINATES

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
8
CHECKED

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

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> TYLER MITCHELL	<u>OFFICE</u> AJV-A432	<u>DATE</u> 05/10/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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