

**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</u> ALPENA COUNTY RGNL	<u>AIRPORT ID</u> KAPN	<u>PROCEDURE NAME</u> VOR RWY 19	<u>ORIGINAL/AMENDMENT</u> 16	<u>CITY</u> ALPENA	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 690	<u>TDZE</u> 683	<u>SUPERSEDED</u> VOR RWY 19	<u>ORIGINAL/AMENDMENT</u> 15	<u>DATED</u> 06/03/2010	<u>MAG VAR</u> 7W
<u>FACILITY</u> APN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

**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:**

APN VORTAC

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 2500 IN APN VORTAC HOLDING PATTERN.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT L    **SIDE OF COURSE** 355.00    **OUTBOUND** 2500    **FT WITHIN** 10    **MILES OF** APN VORTAC (IAF)  
2.  
3. **FAC:** 175.00    **FAF:**    **DIST FAF TO MAP:**    **DIST FAF TO THLD:**  
4. **MIN ALT:** DAKRY/2.22 DME 1340  
8. **MSA FROM:** APN VORTAC 270-360 3500, 360-270 2700

**EQUIPMENT REQUIREMENTS NOTES:**

**NOTES:**

CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
DAKRY TO RW19: 3.18/55.  
CHART VDP AT 1.62 DME  
DISTANCE VDP TO THLD 1.18 NM  
CHART FAS OBST: 823 ANTENNA 450513N/0833406W.  
FAC CROSSES RWY C/L EXTENDED 3002 FT FROM THLD.  
HOLD N, RT, 175.00 INBOUND

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

ALTERNATE: NA ☐ STANDARD

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-19	1340	1	657	1340	1	657	1340	1 7/8	657	1340	1 7/8	657			
CIRCLING	1340	1	650	1340	1	650	1340	1 7/8	650	1340	2	650			
DAKRY FIX MINIMUMS															
S-19	1100	1	417	1100	1	417	1100	1 1/8	417	1100	1 1/8	417			
CIRCLING	1140	1	450	1140	1	450	1220	1 1/2	530	1280	2	590			

CHANGES - REASONS

1. UPDATE CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA, TO: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - PER 8260.19H, PARA 8-6-11 (K).
2. ADDED CHART CIRCLING ICON - NEW CIRCLING CRITERIA UPDATED IAW 8260.3D.
3. MOVED FIX DAKRY NW 1350 FT - TO MAINTAIN CAT D MINIMUMS WITHIN 3.50 DESCENT CRITERIA.
4. UPDATED ADDITIONAL FLIGHT DATA: DAKRY TO RWY 19 FROM: 3.63/55 TO: 3.18/55 - MOVED FIX DAKRY NW 1350 FT.
5. ADDED VDP AT 1.62 DME, 1.18 DISTANCE TO THRESHOLD - NO 20:1 OBSTACLES EXIST IN THE VISUAL SURFACE.
6. AMENDED DAKRY FIX MINIMUMS CAT C CIRCLING MDA/HAA FROM1140/450 TO 1220/530 AND CAT D CIRCLING MDA/HAA FROM 1240/550 TO 1280/590 - NEW CONTROLLING OBSTACLES IDENTIFIED IN LARGER CIRCLING AREAS.
7. AMENDED S-19 CAT C VISIBILITY FROM 1 3/4 TO 1 7/8 AND CAT D FROM 2 TO 1 7/8 - COMPUTED IAW FAAO 8260.3D, CHAPTER 3.
8. AMENDED DAKRY FIX MINIMUMS S-19 CATS C/D VISIBILITY FROM 1 1/4 TO 1 1/8 - COMPUTED IAW FAAO 8260.3D, CHAPTER 3.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: APN ATCT, ZMP ARTCC, AMGR, APN APP CON

FLIGHT CHECKED BY

GLEN B FREEMAN

DEVELOPED BY

WARDELL HENNING (TODD BOWLING)

APPROVED BY

PATRICK MULQUEEN

Digitally signed by  
DONALD H LANIER

May 21, 2019  
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DONALD H LANIER

May 21, 2019

OFFICE

FICO

OFFICE

AJV-A432

OFFICE

AJV-A430

DATE

5/14/19

DATE

02/25/2019

DATE

TITLE  
MANAGER

