

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> WINONA MUNI-MAX CONRAD FLD	<u>AIRPORT ID</u> KONA	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> WINONA	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 656	<u>TDZE</u> 656	<u>SUPERSEDED</u> ILS Z OR LOC Z RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 1W
<u>FACILITY</u> I-ONA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 211/30 CW 031/30	NOPT	ALEYU	IF/IAF	3500
2. 031/30 CW 211/30	PT	ALEYU	IAF	3500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ALEYU/I-ONA 12.22 DME	IF/IAF	WABNY/I-ONA 6.22 DME					300.39	6.00 (I-ONA)	2400

MISSED APPROACH

MAP:

ILS: DA
LOC: I-ONA 0.90 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3500 DIRECT ALEYU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD SE ALEYU, RT, 300.54 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 300.39 **FAF:** WABNY/I-ONA 6.22 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 5.32
4. **MIN ALT:** ALEYU/I-ONA 12.22 DME 3500, WABNY/I-ONA 6.22 DME 2400
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 948
6. **MIN GS INCPT:** 2400 **GS ALT AT FAF :** WABNY/I-ONA 6.22 DME 2400 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 49.5
8. **MSA FROM:**



EQUIPMENT REQUIREMENTS NOTES:

RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.
DME REQUIRED.
RNAV 1-GPS REQUIRED FROM MAP TO ALEYU.

NOTES:

CHART NOTE: VDP NA WITH LA CROSSE ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA CROSSE ALTIMETER SETTING AND INCREASE S-ILS 30 DA TO 1064 AND ALL VISIBILITIES 1/8 SM, INCREASE ALL MDA 60 FT, AND VISIBILITY S-LOC 30 CAT C/D 1/8 SM AND CIRCLING CAT B VISIBILITY 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 30 ALL CATS VISIBILITY TO 1 1/8 SM, AND S-LOC 30 CATS C/D VISIBILITY TO 1 5/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING LA CROSSE ALTIMETER SETTING, INCREASE S-ILS 30 ALL CATS VISIBILITY TO 1 3/8 SM, AND INCREASE S-LOC 30 CATS C/D VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 2.51 DME*
DISTANCE VDP TO THLD 1.61 NM
* LOC ONLY
CHART FAS OBST: 900 TRANSMISSION_LINE 440309N/0913731W.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: CAT A, B 1000-2, CAT C 1200-3, CAT D 1400-3, 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
S-ILS 30	1053	3/4	397	1053	3/4	397	1053	3/4	397	1053	3/4	397			
S-LOC 30	1220	1/2	564	1220	1/2	564	1220	1 1/4	564	1220	1 1/4	564			
CIRCLING	1560	1 1/4	904	1600	1 1/4	944	1780	3	1124	1980	3	1324			

CHANGES - REASONS

1. S-ILS 30 DA/HAT CHANGED FROM 1011/355 TO 1053/397 - NEW MISSED PENETRATOR IDENTIFIED - CLEARING T-NOTAM FDC 9/1344.
2. ADDED MAX 6000 TO LINE 2 - 8260.19H 8-6-7.B.(2)
3. MOVED PLANVIEW NOTE FROM AFD TO EQUIPMENT NOTES SECTION. - EQUIPMENT DESIGNATION REQUIRED TO BE IN DESIGNATED NOTES SECTION.
4. MOVED PROCEDURE NOTE FROM AFD TO EQUIPMENT NOTES SECTION. - EQUIPMENT DESIGNATION REQUIRED TO BE IN DESIGNATED NOTES SECTION.
5. CHANGED ALL REFERENCES OF MILE TO SM. - VISIBILITY NOTES UPDATED TO CLARIFY DISTANCE UNIT.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMP, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

DEVELOPED BY

CASIMIR L. TABAKA (TYLER MITCHELL)

Digitally signed by

CASIMIR L TABAKA

CASIMIR L TABAKA

Jul 30, 2019

OFFICE

AJV-A422

DATE

06/06/2019

APPROVED BY

MARLON ROBINSON

Jul 30, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER

Digitally signed by

CASIMIR L TABAKA

Jul 30, 2019

