

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 ID</u> KAMW	<u>PROCEDURE NAME</u> ILS OR LOC RWY 1	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> AMES	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 956	<u>TDZE</u> 956	<u>SUPERSEDED</u> ILS OR LOC RWY 1	<u>ORIGINAL/AMENDMENT</u> 3A	<u>DATED</u> 12/05/2019	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-EEE	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<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>
ZISTA INT/I-EEE 17.96 DME	IF/IAF	MERLE INT/I-EEE 8.01 DME					013.60	9.94 (I-EEE)	3200

MISSED APPROACH

MAP:

ILS: DA

LOC: 6.89 NM AFTER MERLE INT/I-EEE 8.01 DME OR AT I-EEE 1.13 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 240 AND TNU VOR/DME R-296 TO HANS D INT/37.77 DME AND HOLD. CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 030 AND DSM R-001 TO SHODR/DSM 49.87 DME AND HOLD.

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT ZISTA INT/I-EEE 17.96 DME
3. FAF: 013.60 FAF: MERLE INT/I-EEE 8.01 DME DIST FAF TO MAP: 6.89 DIST FAF TO THLD: 6.89
4. MIN ALT: ZISTA INT/I-EEE 17.96 DME 4000, MERLE INT/I-EEE 8.01 DME 3200, EMTUW/I-EEE 2.93 DME 1580
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1123
6. MIN GS INCPT: 3200 GS ALT AT PFAF: MERLE INT/I-EEE 8.01 DME 3200 OM: MM: IM:
7. GS ANGLE: 3.00 34:1: 20:1: TCH: 50.4
8. MSA FROM: TNU VOR/DME 4000 (27NM)

EQUIPMENT REQUIREMENTS NOTE:

DME REQUIRED.



NOTES:

CHART NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 1 CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 116.00 INBOUND.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N SHODR/DSM 49.87 DME, RT, 181.02 INBOUND.

CHART FAS OBST: 1173 ELEVATOR (19-058090) 415704N/0933813W.

1230 AAO 415546N/0933902W.

CHART IN PLANVIEW: SHODR/DSM 49.87 DME.

MINIMUMS:

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

ALTERNATE: NA ☒

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-ILS 01	1206	1/2	250	1206	1/2	250	1206	1/2	250	1206	1/2	250			
S-LOC 01	1440	1/2	484	1440	1/2	484	1440	1	484	1440	1	484			
CIRCLING	1440	1	484	1460	1	504	1640	2	684	1960	3	1004			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED FAF FROM “MERLE INT” TO “MERLE INT/I-EEE 8.01 DME”, DISTANCE FROM “11.51” TO “9.94” AND ALTITUDE FROM “2700” TO “3200” - PER FPT REQUEST.
2. MISSED APPROACH: CHANGED FROM “5.32 NM AFTER MERLE INT” TO “6.89 NM AFTER MERLE INT/I-EEE 8.01 DME OR AT I-EEE/1.13 DME” - MERLE FIX RELOCATED PER FPT CHECKLIST.
3. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 245 AND JWJ VOR/DME R-260 TO WURPU INT/JWJ 46.92 DME AND HOLD” TO “CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 240 AND ON TNU VOR/DME R-296 TO HANS D INT/37.77 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000” - JWJ VORMON DECOMMISSIONING.
4. MISSED APPROACH INSTRUCTIONS ALTERNATE: CHANGED FROM “CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 030 AND DSM R-001 TO SHODR INT/DSM 49.87 DME AND HOLD” TO “CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 030 AND DSM R-001 TO SHODR/DSM 49.87 DME AND HOLD” - JWJ VORMON DECOMMISSIONING.
5. PROFILE LINE 2: AMENDED FROM “PROFILE LINE STARTS AT ZISTA” TO “PROFILE LINE STARTS AT ZISTA/I-EEE 17.96 DME” - ADDED DME PER FPT REQUEST.
6. PROFILE LINE 3: AMENDED FAF FROM “MERLE INT” TO “MERLE INT/I-EEE 8.01 DME,” UPDATED DIST FAF TO MAP DIST FAF TO THLD FROM “5.32” TO “6.89” - NEW PFAF LOCATION PER FPT.
7. PROFILE LINE 4 MIN ALT: CHANGED FROM “ZISTA/I-EEE 17.96 DME 4000, MERLE INT 2700, EMTUW INT 1580” TO “ZISTA INT 4000, MERLE INT/I-EEE 8.01 DME 3200, EMTUW INT/I-EEE 2.93 DME 1580” - ADDED DME TO FAF AND SDF PER FPT; DELETED THE ASTERISK INDICATING LOC ONLY - IAW 8260.19I, 1-1-5.F(12).
8. PROFILE LINE 6: CHANGED MIN GS INCPT FROM “2700” TO “3200,” CHANGED GS ALT AT PFAF FROM “MERLE INT 2700” TO “MERLE INT/I-EEE 8.01 DME 3200” - NEW PFAF LOCATION PER FPT.
9. PROFILE LINE 8: CHANGED FROM “TNU VOR/DME 4000” TO “TNU VOR/DME 4000 (27NM)” - RADIUS INCREASED TO ENCOMPASS ALL LANDING SURFACES.
10. EQUIPMENT REQUIREMENTS NOTES: ADDED DME REQUIRED - IAW 8260.19I, 8-6-8.A(2)(A).
11. ADDED CHART NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 1 CAT C/D VISIBILITY TO 1 3/8 SM - IAW 8260.19I, 8-6-11.O(3)(D).
12. NOTES: DELETED “*LOC ONLY” NOTE - IAW 8260.19I, 1-1-5.F(12).
13. ADDITIONAL FLIGHT DATA: CHANGED PRIMARY HOLDING FROM “HOLD W, RT, 079.53 INBOUND” TO “HOLD NW, RT, 116.00 INBOUND” - NEW HOLDING FIX ESTABLISHED PER FPT.
14. ADDITIONAL FLIGHT DATA: CHANGED CHART IN PLANVIEW NOTE FROM “ALTERNATE MA HOLD, HOLD N SHODR INT/DSM 49.87 DME, RT, 181.02 INBOUND” TO “ALTERNATE MA HOLDING, HOLD N SHODR/DSM 49.87 DME, RT, 181.02 INBOUND” - REMOVED INT FROM FIX, JWJ VORMON DECOMMISSIONING.
15. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM “1173 ELEV 415702N/0933820W” TO “1173 ELEVATOR (19-058090) 415704N/0933813W” - NEW CONTROLLING OBSTACLE IN FINAL STEPDOWN.
16. ADDITIONAL FLIGHT DATA: CHANGED CHART IN PLANVIEW NOTE FROM “SHODR INT/DSM 49.87 DME” TO “SHODR/DSM 49.87 DME” - REMOVED INTERSECTION FROM FIX, JWJ VORMON DECOMMISSIONING.
17. ALTERNATE: DELETED “ILS:STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC:STANDARD - CAT D1100-3, NA WHEN CONTROL TOWER CLOSED.” - ILS IS A CAT 3 FACILITY, ALTERNATE MINS NA WHEN CONTROL TOWER IS CLOSED.
18. CHANGED S-LOC 01 CAT A & B MDA FROM “1580” TO “1440”; CHANGED CAT C & D VIS FROM “1 3/8” TO “1” - REMOVED EMTUW FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED).
19. CHANGED CIRCLING CAT A/B CMDA FROM “1580/1580” TO “1440/1460” - REMOVED EMTUW FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED).

03/07/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/28/23.

1. TERMINAL ROUTES: CHANGED IF/IAF FROM "ZISTA/I-EEE 17.96 DME" TO ZISTA INT/I-EEE 17.96 DME".
2. PROFILE LINE 4 MIN ALT: CHANGED "ZISTA/I-EEE 17.96 DME 4000, MERLE INT/I-EEE 8.01 DME 3200, EMTUW/I-EEE 2.93 DME 1580" TO "ZISTA INT/I-EEE 17.96 DME 4000, MERLE INT/I-EEE 8.01 DME 3200, EMTUW/I-EEE 2.93 DME 1580".

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HA ☐

NBAA ☒

OTHER: DSM APP CON, ZMP, AMGR

FLIGHT CHECKED BY
GREGORY SCOTT WIEBE

Digitally signed by
ALLAN WILL
Mar 09, 2023

OFFICE
FIOG
DATE
02/24/2023

DEVELOPED BY
ALLAN WILL (TODD A. RUSSELL)

Digitally signed by
ALLAN WILL
Mar 09, 2023

OFFICE
AJV-A420
DATE
02/23/2023

APPROVED BY
MARLON ROBINSON

Digitally signed by
ALLAN WILL
Mar 09, 2023

OFFICE
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DATE
02/23/2023
TITLE
MANAGER

