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.

AIRPORT	AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
ALLIANCE MUNI	KAIA	ILS OR LOC RWY 30	ORIG-A	ALLIANCE	NE

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
3931	3927	ILS OR LOC/DME RWY 30	ORIG	09/23/2010	7E	2020

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
I-BYE		8 NOVEMBER 2018	ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
AIA VOR/DME		DEMTY/I-BYE 12.77 DME					124.53	11.98	6100
DEMTY/I-BYE 12.77 DME	IF/IAF	EBEBY/I-BYE 6.69 DME					307.32	6.08 (I-BYE)	5600

MISSED APPROACH

MAP:

ILS: DA
LOC: I-BYE 1.67 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5700 THEN RIGHT TURN DIRECT AIA VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 5700 THEN CLIMBING LEFT TURN TO 6200 DIRECT BFF VORTAC AND HOLD.

PROFILE:

1. PT   SIDE OF COURSE   OUTBOUND   FT WITHIN   MILES OF   (IAF)

2. HOLD SE DEMTY, RT, 307.32 INBOUND, 6100 FT. IN LIEU OF PT (IAF), MAX 8400.

3. FAC: 307.32   **PFAF:** EBEBY/I-BYE 6.69 DME   **DIST PFAF TO MAP:** 5.02   **DIST PFAF TO THLD:** 5.02

4. MIN ALT: DEMTY/I-BYE 12.77 DME 6100, EBEBY/I-BYE 6.69 DME 5600

5. DIST TO THLD FROM OM: **MM:**   **IM:**   **150 HAT:**   **GS ANT:** 1039

6. MIN GS INCPT: 5600   **GS ALT AT PFAF :** EBEBY/I-BYE 6.69 DME 5600   **OM:**   **MM:**   **IM:**

7. GP ANGLE: 3.00   **34:1:**   **20:1:**   **TCH:** 54.9

8. MSA FROM: AIA VOR/DME 360-180 5700, 180-360 6800

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 30 CATS C/D VISIBILITY TO 1 5/8 SM.

QUALITY 10 CHECKED

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: AIA VOR/DME 11.98 DME AT DEMTY.
CHART IN PLANVIEW: BFF VORTAC
CHART VDP AT 3.31 DME*
DISTANCE VDP TO THLD 1.64 NM
* LOC ONLY
FAS OBST: 4233 AAO 415936N/1024409W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE BFF VORTAC, RT, 245.00 INBOUND.
HOLD NW, RT, 124.53 INBOUND

MINIMUMS:

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

ALTERNATE: NA [X]

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 30	4127	1/2	200	4127	1/2	200	4127	1/2	200	4127	1/2	200			
S-LOC 30	4500	1/2	573	4500	1/2	573	4500	1 1/4	573	4500	1 1/4	573			
CIRCLING	4500	1	569	4500	1	569	4520	1 5/8	589	4520	2	589			

CHANGES - REASONS

1. AMENDED PROCEDURE NAME FROM ILS OR LOC/DME RWY 30 TO ILS OR LOC RWY 30 - IN ACCORDANCE WITH FAAO 8260.3C, PARA 1-6-2.
2. AMENDED PROCEDURE MAGVAR FROM 11E TO 7E - IN ACCORDANCE WITH FAAO 8260.19H, PARA 2-5-3B.
3. AMENDED DEMTY TO EBEBY COURSE FROM 303.32 TO 307.32 - COMPUTED USING UPDATED PROCEDURE MAGVAR.
4. AMENDED HOLD-IN-LIEU INBOUND COURSE FROM 303.32 TO 307.32 - COMPUTED USING UPDATED PROCEDURE MAGVAR.
5. AMENDED FINAL APPROACH COURSE FROM 303.32 TO 307.32 - COMPUTED USING UPDATED PROCEDURE MAGVAR.
6. ADDED EQUIPMENT REQUIREMENT NOTE: DME REQUIRED - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-8.
7. AMENDED DEMTY I-BYE DME FROM 12.78 TO 12.77, EBEBY I-BYE DME FROM 6.70 TO 6.69, AND VDP I-BYE DME FROM 3.32 TO 3.31 - COMPUTED USING CURRENT AIRNAV VALUE FOR I-BYE DME, NO CHANGE TO CHARTED VALUES.
8. AMENDED S-LOC 30 MISSED APPROACH POINT FROM 5.02 MILES AFTER EBEBY OR AT I-BYE 1.68 DME FIX TO I-BYE 1.67 DME - PROCEDURE REQUIRES DME, TIMING TABLE NOT APPROPRIATE. DME COMPUTED USING CURRENT AIRNAV VALUE FOR I-BYE DME, NO CHANGE TO CHARTED VALUE.
9. AMENDED S-LOC 30 CAT C VISIBILITY FROM 1 SM TO 1 1/4 SM - COMPUTED IN ACCORDANCE WITH FAAO 8260.3C, TABLE 3-3-1.
10. AMENDED CIRCLING CAT C VISIBILITY FROM 1 1/2 SM TO 1 5/8 SM - COMPUTED IN ACCORDANCE WITH FAAO 8260.3C, TABLE 3-3-7.
11. DELETED NOTE: CIRCLING TO RWY 8 NA AT NIGHT - NO LONGER REQUIRED, RWY 8 VISUAL SURFACE CLEAR OF PENETRATIONS.
12. DELETED NOTE: FOR INOPERATIVE MALSR WHEN USING SCOTTSBLUFF ALTIMETER SETTING INCREASE S-ILS 30 VISIBILITY ALL CATS TO 1 MILE - LOCAL ASOS IS ON WMSCR. BACK-UP ALTIMETER ADJUSTMENTS AND NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE DURING KAIA ASOS OUTAGES.
13. DELETED NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SCOTTSBLUFF ALTIMETER SETTING AND INCREASE ALL DA 91 FEET AND ALL MDA 100 FEET, INCREASE S-LOC 30 CATS C/D VISIBILITY 1/2 MILE, CIRCLING CAT C 1/2 MILE AND CAT D 1/4 MILE - LOCAL ASOS IS ON WMSCR. BACK-UP ALTIMETER ADJUSTMENTS AND NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE DURING KAIA ASOS OUTAGES.
14. DELETED NOTE: VDP NA WHEN USING SCOTTSBLUFF ALTIMETER SETTING - LOCAL ASOS IS ON WMSCR. BACK-UP ALTIMETER ADJUSTMENTS AND NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE DURING KAIA ASOS OUTAGES.
15. ADDED NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 30 CATS C/D VISIBILITY TO 1 5/8 SM - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-11O(3)(D).
16. ADDED CHART IN PLANVIEW: AIA VOR/DME 11.98 DME AT DEMTY IN ADDITIONAL FLIGHT DATA - MAKE DEMTY EASIER TO IDENTIFY FOR AIRCREWS WHEN ENTERING THE PROCEDURE FROM THE AIA VOR/DME FEEDER SEGMENT.

QUALITY 10 CHECKED

AIRPORT	AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
ALLIANCE MUNI	KAIA	ILS OR LOC RWY 30	ORIG-A	ALLIANCE	NE

COORDINATED WITH:

A4A [X]   ALPA [X]   AOPA [X]   APA [X]   HAI [ ]   NBAA [X]   **OTHER:** ZDV, AMGR

	OFFICE	DATE	Digitally signed by
FLIGHT CHECKED BY			**ROBERT G HAMILTON**
SUSANNA ROBERTS	FICO	08/07/2018	Sep 04, 2018

	OFFICE	DATE	
DEVELOPED BY			Digitally signed by
PETER R. GUIMOND	AJV-5422	06/14/2018	**PETER R GUIMOND** Jun 14, 2018

	OFFICE	DATE		TITLE
APPROVED BY			Digitally signed by	MANAGER
JULIE MORGAN	AJV-5420		**ROBERT G HAMILTON** Sep 04, 2018	

QUALITY
10
CHECKED