

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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> DECATUR	<u>AIRPORT ID</u> KDEC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> DECATUR	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 682	<u>TDZE</u> 679	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 04/30/2015	<u>MAG VAR</u> 1W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

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>
CMI VORTAC		FABKO		TF	FB	2.00	226.43	18.58	3000
AXC VORTAC		ZOBSE		TF	FO	2.00	087.74	9.37	3000
FABKO	IAF	ZOBSE	NOPT	TF	FB	1.00	226.25	6.00	3000
BAUDS	IAF	ZOBSE	NOPT	TF	FB	1.00	312.50	5.00	3000
ZOBSE	IF/IAF	AKTIF		TF	FB	1.00	300.26	5.94	2200
AKTIF	FAF	SUBUE/2.00 NM TO RW30		TF	FB	0.30	300.20	2.62	
SUBUE/2.00 NM TO RW30		RW30	MAP	TF	FO	0.30	300.20	2.00	
RW30	MAP	879 MSL		CA			300.20		
879 MSL		YENVU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT YENVU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)	
2.	HOLD SE ZOBSE, RT, 300.26 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	300.20	FAF: AKTIF	DIST FAF TO MAP: 4.62	DIST FAF TO THLD: 4.62	
4. MIN ALT:	ZOBSE 3000, AKTIF 2200, SUBUE/2.00 NM TO RW30 1360*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.47	GS ANT:
6. MIN GP INCPT: 2200	GP ALT AT FAF : AKTIF 2200			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 51.3		
8. MSA FROM:	RW30 3100				

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FT, INCREASE LNAV CAT C/D AND CIRCLING CAT C/D VISIBILITY 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CMI VORTAC AIRWAY RADIALS 178 CW 297.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AXC VORTAC AIRWAY RADIALS 002 CW 029.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LINCOLN ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.04 NM TO RW30*
*LNAV ONLY
WAAS CHANNEL #49127
REFERENCE PATH ID: W30A
FAS OBST: 809 TREE 394824N/0884913W.
HOLD NW, RT, 119.98 INBOUND
LTP HAE: 174.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE, EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICES.

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
LPV DA	879	1	200	879	1	200	879	1	200	879	1	200			
LNAV/VNAV DA	929	1	250	929	1	250	929	1	250	929	1	250			
LNAV MDA	1060	1	381	1060	1	381	1060	1 1/8	381	1060	1 1/8	381			
CIRCLING	1140	1	458	1240	1	558	1360	2	678	1360	2 1/4	678			



CHANGES - REASONS

1. REMOVED NOTE CIRCLING RWY 12 NA AT NIGHT - NO 20:1 PENETRATIONS.
2. CHANGED ACT FROM -18C TO -19C - NEW 5 YEAR HISTORY (2013-2017).
3. REMOVED FEEDER FROM MTO VOR/DME TO LUSLY - MTO DECOMMISSIONED.
4. ADDED FEEDER FROM AXC VORTAC TO ZOBSE AT 3000 - FPT CHECKLIST
5. LOWERED LNAV MDA FROM 1080 VIS 3/4 TO 1060 VIS 1, CHANGED FAS OBST FROM 814 TREE TO 809 TREE - NEW IPDS EVALUATION AND VISCHECK.
6. INCREASED LPV AND LNAV/VNAV VISIBILITY FROM 3/4 TO 1 - NEW VISCHECK.
7. LOWERED CIRCLING CAT A MDA FROM 1200/HAA 518 TO 1140/HAA 458 - NEW CNTL OBST 822 TWR.
8. RAISED CIRCLING CAT B MDA FROM 1200/HAA 518 TO 1240/HAA 558 - NEW CNTL OBST 939 CRANE.
9. RAISED CIRCLING CAT C MDA FROM 1240/HAA 558 VIS 1 1/2 TO 1360/HAA 678 VIS 2 - NEW CNTL OBST 1008 STACK.
10. RAISED CIRCLING CAT D MDA FROM 1320/HAA 638 VIS 2 TO 1360/HAA 678 VIS 2 2/14 - NEW CNTL OBST 1008 STACK.
11. ADDED CHART NOTE: CHART CIRCLING ICON - IAW 8260.19H PARA 8-6-10
12. UPDATED CIRCLING RADII - IAW 8260.3C
13. CHANGED BACKUP ALTIMETER FROM CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FT, INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE AND LNAV AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE TO CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FT, INCREASE LNAV CAT C/D AND CIRCLING CAT C/D VISIBILITY 1/4 SM. - CHANGED BASED ON NEW VISCHECK.
14. ADDED NOTE: PROCEDURE NA FOR ARRIVAL AT AXC VORTAC AIRWAY RADIALS 002 CW 029.
15. CRC REMAINDER CHANGED FROM 8AA9066B TO FD5938D4. FPAP LOCATION CHANGED FROM 395039.2000N/0885254.1900W TO 395039.2010N/0885254.1890W - NEW EVALUATION.
16. CHANGED VDP DISTANCED FROM 1.10 TO 1.04 - UPDATED CALCULATIONS.
17. REMOVED ARRIVAL RESTRICTION NOTE AT MTO - SEGMENT REMOVED.
18. REPLACED CHART NOTE: DME/DME RNP-0.3 NA WITH CHART PBN NAVSPEC REQUIREMENT NOTE: RNP APCH. - IAW 8260.19H PARA 8-6-8.
19. REPLACED FIX OVEVE WITH FABKO - SIMILAR FIX NAME (OKEVE) USED FOR RNAV (GPS) RWY 36.
20. REPLACED FIX LUSLY WITH BAUDS - EXTENDED INITIAL SEGMENT BY .5 NM TO ALLOW FOR ATC VECTORS AT THE IAF (LUSLY NOT MOVED BECAUSE IT IS USED FOR THE RNAV (GPS) RWY 24 AT KMTO AND V50).
21. REMOVED ARRIVAL RESTRICTION NOTE AT LUSLY - IAF MOVED, NO LONGER APPLICABLE.
22. ADDED "EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE" TO ALTERNATE MINS - CONTRACT WEATHER WHEN TOWER CLOSED.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, CMI APP CON, DEC ATCT, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE
Digitally signed by
WARDELL HENNING

OFFICE

FICO

DATE

10/2/18

DEVELOPED BY

Oct 10, 2018
LONNIE EVERHART (STEVEN SCHUTRUM)

OFFICE

AJV-5400

DATE

06/20/2018

APPROVED BY

LONNIE EVERHART
Digitally signed by
WARDELL HENNING
Oct 10, 2018

OFFICE

AJV-5400

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDEC
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	394955.7930N
LTP/FTP LONGITUDE	0885113.1495W
LTP/FTP ELLIPSOIDAL HEIGHT	+01743
FPAP LATITUDE	395039.2010N
FPAP LONGITUDE	0885254.1890W
THRESHOLD CROSSING HEIGHT (TCH)	00051.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	FD5938D4
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02067
FPAP ORTHOMETRIC HEIGHT	+02067

