

**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> ELKHART-MORTON COUNTY	<u>AIRPORT ID</u> KEHA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> ELKHART	<u>STATE</u> KS	
<u>AIRPORT ELEVATION</u> 3622	<u>TDZE</u> 3619	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 08/18/2016	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 262/30 CW 082/30	NOPT	JEDLI	IF/IAF	6000
2. 082/30 CW 172/30		ALOYI	IAF	6000
3. 172/30 CW 262/30		EKUGE	IAF	6000

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
ALOYI	IAF	JEDLI	NOPT	TF	FB	1.00	082.25	5.00	6000
EKUGE	IAF	JEDLI	NOPT	TF	FB	1.00	262.37	5.00	6000
JEDLI	IF/IAF	OCENA		TF	FB	1.00	352.31	6.10	5300
OCENA	FAF	RW35	MAP	TF	FO	0.30	352.31	5.07	
RW35	MAP	3869 MSL		CA					
3869 MSL		TOPOC		DF	FO	1.00			6000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW35

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 6000 DIRECT TOPOC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S JEDLI, RT, 352.31 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAC: 352.31FAF: OCENADIST FAF TO MAP: 5.07DIST FAF TO THLD: 5.07

4. MIN ALT: JEDLI 6000, OCENA 5300

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.64GS ANT:

6. MIN GP INCPT: 5300GP ALT AT FAF : OCENA 5300OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 43.7

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 4, 17, 22 NA AT NIGHT.  
CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.  
\*LNAV ONLY

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.93 NM TO RW35\*  
\*LNAV ONLY  
WAAS CHANNEL #50417  
REFERENCE PATH ID: W35A  
FAS OBST: 3809 AAO 365524N/1015342W.  
3842 AAO 365424N/1015418W.  
HOLD N, RT, 172.31 INBOUND  
LTP HAE: 1077.6 M

MINIMUMS:

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

ALTERNATE: NA

☐

STANDARD - CAT C 800-2 1/4

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	3869	1	250	3869	1	250	3869	1	250		NA				
LNAV/VNAV DA	4167	2	548	4167	2	548	4167	2	548		NA				
LNAV MDA	4280	1	661	4280	1	661	4280	1 7/8	661		NA				
CIRCLING	4380	1	758	4380	1 1/4	758	4380	2 1/4	758		NA				



CHANGES - REASONS

1. UPDATE RNP VALUE FROM JEDLI IF/IAF TO OCENA FROM 0.50 TO 1.00 - PER 8260.19H, PARA 4-6-10 (F).
2. REMOVED CHART NOTE: DME/DME RNP-0.3 NA - 8260.19H, PARA 4-6-10 (E).
3. UPDATE CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C OR ABOVE 54C - REMOVED FAHRENHEIT VALUE PER 8260-19H, PARA 8-6-9 (E).
4. DELETED BACKUP ALTIMETER NOTE - MOVED TO -9 FOR CONTINGENCY PURPOSES.
5. RE-ESTABLISHED CHART VDP AT 1.93 NM TO RW35\* \*LNAV ONLY TO ADDITIONAL FLIGHT DATA - 20:1 OBSTACLES DO NOT EXIST IN THE VISUAL SURFACE.
6. NOTAM 6/6886 HAS BEEN INCORPORATED INTO THIS AMENDMENT - TO REMOVE NOTAM.
7. ADDED "MAX 14000" TO HOLD-IN-LIEU ON LINE 2 - NEW DATABASE AUTO PULL FROM FIX DATABASE.
8. ADDED "RNP APCH" UNDER PBN REQUIREMENTS NOTE - PER 8260.19H.
9. ADDED "20:1 IS CLEAR" ON LINE 7 - 20:1 VISUAL SURFACES CLEAR.
10. CHANGED LNAV CAT C VISIBILITY FROM 1 3/4 TO 1 7/8 - VISCHECK VALUES RESULTS.
11. DIST TO THLD FROM 250 HAT CHANGED FROM 0.65 NM TO 0.64 NM - TARGETS RESULTS.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZKC, ICT FSS, ARPT MGR

FLIGHT CHECKED BY

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

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Apr 15, 2019

DEVELOPED BY

WARDELL HENNING (TODD BOWLING)

Digitally signed by

OFFICE

DATE

WARDELL HENNING

AJV-A432

03/04/2019

Apr 15, 2019

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Apr 15, 2019

OFFICE

DATE

TITLE

AJV-A430

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEHA
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	365942.5380N
LTP/FTP LONGITUDE	1015255.3155W
LTP/FTP ELLIPSOIDAL HEIGHT	+10776
FPAP LATITUDE	370111.7500N
FPAP LONGITUDE	1015256.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00043.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3CD7CAEF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+11026
FPAP ORTHOMETRIC HEIGHT	+11026



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> ELKHART-MORTON COUNTY	<u>AIRPORT ID</u> KEHA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>AMDT NO.</u> 1B	<u>CITY</u> ELKHART	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 3622	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
262/30 CW 082/30

TO  
JEDLI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (40-000530)	364256.00N/1023028.00W	4675	250	50	4D	1000				AT325	6000
2.TERRAIN	364936.00N/1022945.00W	4184 (4200)								AS1500	5700

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

LEFT BASE AREA

FROM  
082/30 CW 172/30

TO  
ALOYI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (40-001536)	364405.00N/1022955.00W	4550	500	50	5D	1000				AT450	6000
4.TERRAIN	364818.00N/1023630.00W	4315 (4300)								AS1500	5800

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



TO  
EKUGE

HMAS

## COMPUTATIONS

**SEGMENT REMARKS:**

TO  
JEDLI

**HMAS**

## COMPUTATIONS

**SEGMENT REMARKS:**



**FACILITY**  
RNAV

QUALITY  
10  
CHECKED

**FACILITY**  
RNAV

RF CENTER FIX/DISTANCERF CENTER FIX/DISTANCE

XP262: MAINTAIN PUBLISHED MINIMUMS.











<u>AIRPORT</u> ELKHART-MORTON COUNTY	<u>AIRPORT ID</u> KEHA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>AMDT NO.</u> 1B	<u>CITY</u> ELKHART	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 3622	<u>FACILITY</u> RNAV
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CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:  
100 FT VEGETATION USED PER FPT.

QUALITY  
10  
CHECKED

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## COMMUNICATIONS WITH ZKC ARTCC, ICT FSS

**WX REMARKS:**

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	3617.6	43.7			3.00	43.7

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-22C	+54C	-22C	+7.83C

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 873 HIGH TEMP 1224.

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	S-35 LPV, LNAV/VNAV, LNAV		
34:1			
3632 TRAVERSE_WAY (20-032052) 365937.51N/1015257.74W (5.4)		3632 TRAVERSE_WAY (20-032053) 365937.51N/1015255.23W (5.32)	
3635 VERTICAL_STRUCTURE (20-032890) 365936.16N/1015252.96W (4.24)		3635 VERTICAL_STRUCTURE (20-032058) 365935.71N/1015254.24W (2.94)	
3635 VERTICAL_STRUCTURE (20-032059) 365934.84N/1015256.09W (0.41)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or  
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FOR CONTINGENCY PURPOSE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LIBERAL ALTIMETER SETTING AND INCREASE LPV DA TO 4075 FEET, LNAV/VNAV DA TO 4373 FEET AND ALL MDA 220 FEET, INCREASE LPV ALL CATS VISIBILITY 3/8 SM, LNAV CAT A/B 1/4 SM, CAT C 5/8 SM AND CIRCLING CAT A/B 1/4 SM, CAT C 1/2 SM. BARO-VNAV, VDP AND ALTERNATE MINIMUMS NA WHEN USING LIBERAL ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2 APPLIED TO 3842 AAO 365424.00N/1015418.00W.



<u>AIRPORT</u> ELKHART-MORTON COUNTY	<u>AIRPORT ID</u> KEHA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>AMDT NO.</u> 1B	<u>CITY</u> ELKHART	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 3622	<u>FACILITY</u> RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.26
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.70
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	359.31
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3659
DISTANCE FROM	THLD	TO 1500FT POINT	4.87
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	359.31
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	3659

THRESHOLD COORDINATES (IF STR-IN)

365942.54N/1015255.32W

ARP COORDINATES

370002.80N/1015248.10W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 17 DISTANCE 0.48 NM

FAF COORDINATES

365437.71N/1015250.75W

FIX NAME COORDINATES

IF/IAF JEDLI: 364831.52N/1015245.27W, IAF ALOYI: 364827.74N/1015858.82W, IAF EKUGE: 364834.97N/1014631.71W. 30 NM RADIUS

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY  
10  
CHECKED

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**PART E: PREPARED BY**

**NAME**  
WARDELL HENNING (TODD BOWLING)

**OFFICE**  
AJV-A432

**DATE**  
03/04/2019

**TITLE**  
AERONAUTICAL INFORMATION SPECIALIST

