

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> CENTRALIA MUNI	<u>AIRPORT ID</u> KENL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> CENTRALIA	<u>STATE</u> IL	
<u>AIRPORT ELEVATION</u> 534	<u>TDZE</u> 534	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/29/2014	<u>MAG VAR</u> 2W	<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>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 273/30 CW 093/30	NOPT	WOKSO	IF/IAF	2600
2. 093/30 CW 273/30		WOKSO	IAF	2600

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>
WOKSO	IF/IAF	YEJUL		TF	FB	1.00	002.66	7.02	2100
YEJUL	FAF	RW36	MAP	TF	FO	0.30	002.66	4.78	
RW36	MAP	784 MSL		CA			002.66		
784 MSL		HUTWI		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT HUTWI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S WOKSO, RT, 002.66 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 002.66FAF: YEJULDIST FAF TO MAP: 4.78DIST FAF TO THLD: 4.78

4. MIN ALT: WOKSO 2600, YEJUL 2100

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

6. MIN GP INCPT: 2100GP ALT AT FAF : YEJUL 2100OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.44 NM TO RW36*
*LNAV ONLY
WAAS CHANNEL #61028
REFERENCE PATH ID: W36A
FAS OBST: 779 AAO 382711N/0890552W.
HOLD N, RT, 182.66 INBOUND
LTP HAE: 132.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	784	1	250	784	1	250	784	1	250	784	1	250			
LNAV/VNAV DA	975	1 3/8	441	975	1 3/8	441	975	1 3/8	441	975	1 3/8	441			
LNAV MDA	1040	1	506	1040	1	506	1040	1 3/8	506	1040	1 3/8	506			
CIRCLING	1040	1	506	1040	1	506	1180	1 3/4	646	1180	2	646			





FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KENL
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	383028.8105N
LTP/FTP LONGITUDE	0890530.4680W
LTP/FTP ELLIPSOIDAL HEIGHT	+01322
FPAP LATITUDE	383157.9955N
FPAP LONGITUDE	0890529.1595W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0205565E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01628
FPAP ORTHOMETRIC HEIGHT	+01628



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

<u>AIRPORT</u> CENTRALIA MUNI	<u>AIRPORT ID</u> KENL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> 1B	<u>CITY</u> CENTRALIA	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 534	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

<u>FROM</u> 273/30 CW 093/30	<u>TO</u> WOKSO
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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 (17-000209)	380612.00N/0891440.00W	1389	50	50	2D	1000				AT211	2600
2.TERRAIN	375112.00N/0892630.00W	689 (700)								AS1500	2200

COMPUTATIONS

<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:

STRAIGHT-IN AREA

<u>FROM</u> 093/30 CW 273/30	<u>TO</u> WOKSO
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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 (17-001372)	383239.00N/0885526.00W	1550	500	50	5D	1000					2600
4.TERRAIN	384533.00N/0885045.00W	650 (700)								AS1500	2200

COMPUTATIONS

<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:



[illegible]RF CENTER FIX/DISTANCE

<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>
7.TREE (17-033174)	383013.86N/0890536.04W	592	50	20	2C		34:1			AC20	784

RF CENTER FIX/DISTANCE

REMARKS:

[illegible]

<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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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
					641

[illegible][illegible]

SEGMENT
REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

HUTWI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							844				
<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>
							ASC				2600
12.TOWER (17-000489)	383409.00N/0890711.00W	787	500	50	5D	1000					1800
13.TERRAIN	384209.00N/0890333.00W	539 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

MISSED APPROACH : LNAV

FROM

RW36

TO

HUTWI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							940				
<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>
							ASC				2600
12.TOWER (17-000489)	383409.00N/0890711.00W	787	500	50	5D	1000					1800
13.TERRAIN	384209.00N/0890333.00W	539 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
8.TREE	382923.58N/0890449.60W	1.30	506	669	50	20	2C	300		SI	1040
CATEGORY B											
14.TREE	382847.54N/0890518.75W	1.82	506	699	50	20	2C	300		SI	1040
CATEGORY C											
15.TOWER (17-000615)	383146.81N/0890805.62W	2.87	646	830	250	50	5D	300		AC50	1180
CATEGORY D											
15.TOWER (17-000615)	383146.81N/0890805.62W	3.74	646	830	250	50	5D	300		AC50	1180

CIRCLING REMARKS:

CENTER	RADIUS
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MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

CONTINGENCY NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SALEM ALTIMETER SETTING AND INCREASE LPV DA TO 812 AND ALL VISIBILITIES 1/2 SM, LNAV/VNAV DA TO 1003. INCREASE ALL MDAS 40 FEET AND LNAV AND CIRCLING CAT C/D VISIBILITY 1/4 SM.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SALEM ALTIMETER SETTING.



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"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LPV, LNAV/VNAV, LNAV
34:1	
545 TREE (17-033186) 383024.58N/0890533.06W (4.13).	

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.
TCH OF 45 FT USED PER FPT.
VEGETATION HEIGHT OF 100 FEET USED PER FPT.
LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 23.44:1
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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	3.21
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	000.66
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	629
DISTANCE FROM	THLD	TO 1500FT POINT	4.78
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	000.66
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	629

THRESHOLD
COORDINATES
(IF STR-IN) 383028.81N/0890530.47W

ARP COORDINATES 383054.30N/0890528.10W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 36 DISTANCE 0.43 NM

FAF
COORDINATES 382541.98N/0890534.67W

FIX NAME
COORDINATES IF/IAF WOKSO: 381840.12N/0890540.83W

REMARKS
NO ADDITIONAL AIRSPACE REQUIRED.



