

**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 ID</u> KASW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WARSAW	<u>STATE</u> IN		
<u>AIRPORT ELEVATION</u> 850	<u>TDZE</u> 847	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/02/2011	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
BAGEL		JASUS		TF	FB	1.00	168.80	7.57	2700
TELEY		POPOE		TF	FB	1.00	003.31	8.04	2700
JASUS	IAF	DABDE	NOPT	TF	FB	1.00	181.98	7.02	2700
POPOE	IAF	DABDE	NOPT	TF	FB	1.00	001.99	7.02	2700
DABDE	IF/IAF	WODKA		TF	FB	1.00	271.99	6.02	2700
WODKA	FAF	YIDUL/2.00 NM TO RW27		TF	FB	0.30	271.91	3.65	
YIDUL/2.00 NM TO RW27		RW27	MAP	TF	FO	0.30	271.91	2.00	
RW27	MAP	1300 MSL		CA			271.91		1300
1300 MSL		DABDE		DF	FO	1.00			2700

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW27

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2700 DIRECT DABDE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E DABDE, RT, 271.99 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 271.91FAF: WODKADIST FAF TO MAP: 5.65DIST FAF TO THLD: 5.65

4. MIN ALT: DABDE 2700, WODKA 2700, YIDUL/2.00 NM TO RW27 1520

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.46GS ANT:

6. MIN GP INCPT: 2700GP ALT AT FAF : WODKA 2700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 52.7

8. MSA FROM: RW27 3000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAGEL ON V277 NORTHWEST BOUND AND V126 WESTBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TELEY ON V38 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1020 TOWER (18-024643) 411624N/0854814W.  
1160 AAO 411640N/0854301W.  
CHART VDP AT 1.19 NM TO RW27.  
WAAS CHANNEL # 53519  
REFERENCE PATH ID: W27A  
CHART CIRCLING ICON.  
LTP HAE: 224.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	1047	3/4	200	1047	3/4	200	1047	3/4	200	1047	3/4	200			
LNAV/VNAV DA	1334	1 3/8	487	1334	1 3/8	487	1334	1 3/8	487	1334	1 3/8	487			
LNAV MDA	1280	1	433	1280	1	433	1280	1 1/4	433	1280	1 1/4	433			
CIRCLING	1340	1	490	1340	1	490	1480	1 3/4	630	1480	2	630			



**CHANGES - REASONS**

1. UPDATED TERMINAL ROUTE: RABBT TO COVPO, COURSE/DISTANCE 226.60/3.40 NM TO BAGEL TO JASUS 168.80/7.57 NM - 8260.58A 1-2-5B, NEW FIX CREATED TO SUPPORT ATC VECTORING.
2. UPDATED TERMINAL ROUTE: WERBU TO INEXE, COURSE/DISTANCE 280.69/2.90 NM TO TELEY TO POPOE 003.31/8.04 NM - 8260.58A 1-2-5B, NEW FIX CREATED TO SUPPORT ATC VECTORING.
3. UPDATED TERMINAL ROUTE: INEXE TO DABDE, COURSE/DISTANCE 001.99/5.00 NM TO POPOE TO DABDE 001.99/7.02 NM - 8260.58A 1-2-5B, NEW FIX CREATED TO SUPPORT ATC VECTORING.
4. UPDATED TERMINAL ROUTE: COVPO TO DABDE, COURSE/DISTANCE 181.99/5.00 NM TO JASUS TO DABDE 181.98/7.02 - 8260.58A 1-2-5B, NEW FIX CREATED TO SUPPORT ATC VECTORING.
5. UPDATED TERMINAL ROUTE: DABDE TO WODKA, COURSE/DISTANCE 271.99/6.10 TO 271.99/6.02 NM - UPDATED PFAF COORDINATES.
6. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3000 DIRECT HULIB AND LEFT TURN ON TRACK 167.78° TO CUDRU AND HOLD" TO "CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2700 DIRECT DABDE AND HOLD" - 8260.58A 1-2-5A(3), 8260.58A 3-7-3A(1)(B)1.
7. UPDATED PROFILE LINE 3 FROM FAC: 271.90, DIST FAF TO MAP: 5.57, DIST FAF TO THLD: 5.57 TO FAC: 271.91, DIST FAF TO MAP: 5.65, DIST FAF TO THLD: 5.65 - 8260.19H 8-6-7.
8. UPDATED PROFILE LINE 4; CHANGED STEPDOWN ALTITUDE FROM 1540 TO 1520.
9. REMOVED 275 HAT: 0.70 NM FROM ADDITIONAL FLIGHT DATA AND ADDED 200 HAT: 0.46 TO PROFILE LINE 5 - 8260.19I 8-6-7.
10. UPDATED PROFILE LINE 7: ADDED 20:1 IS CLEAR - 8260.19I 8-6-7.
11. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE AND REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" - 8260.19I 8-6-8.
12. UPDATED CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C" - 8260.19I, FAHRENHEIT VALUES NO LONGER NEEDED.
13. CRC REMAINDER CHANGED FROM 6D6BDC09 TO 0077409E - LTP/FTP LAT/LONG FROM 411621.7060N/0854939.6670W TO 411621.7085N/0854939.6655W, FPAP LAT/LONG FROM 411620.6700N/0855046.4400W TO 411619.8600N/0855137.8045W, COURSE WIDTH FROM 94.25 TO 106.75, LEGNTH OFFSET FROM 0000 TO 1192, VAL FROM 50 TO 35 - PROCEDURE UPDATE, LPV HAT LOWERED.
14. UPDATED LPV DA/VIS/HAT FROM 1122/ 1 /275 TO 1047/ 3/4 /200 - NEW OBSTACLE EVALUATION, HAT LOWERED.
15. UPDATED LNAV/VNAV VISIBILITY FOR ALL CATS FROM 1 3/4 SM TO 1 3/8 SM - 8260.3D REVISED VISIBILITY CALCULATIONS IAW TABLE 3-3-1.
16. UPDATED LNAV VISIBILITY CAT D FROM 1 1/2 SM TO 1 1/4 SM - 8260.3D REVISED VISIBILITY CALCULATIONS IAW TABLE 3-3-1.
17. UPDATED CIRCLING CAT A/B MDA/VIS/HAA FROM 1320/1/470 TO 1340/1/490, CAT C FROM 1320/ 1/1/2 /470 TO 1480/ 1/3/4 /630, CAT D FROM 1400/2/550 TO 1480/2/630 - APPLIED EXPANDED CIRCLING AND 8260.3D TABLE 3-3-1.
18. REMOVED CHART NOTE: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOSHEN ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FT." AND "BARO-VNAV AND VDP NA WHEN USING GOSHEN ALTIMETER SETTING" - MOVED TO -9 AS CONTINGENCY NOTE.
19. ADDED CHART CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED.
20. ADDED MAX HOLDING 6000 AT DABDE - 8260.19I 8-6-7. B (2) REQUIRED WHEN A HOLD-IN LIEU OF PROCEDURE TURN IS USED.
21. ADDED CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT BAGEL ON V277 NORTHWEST BOUND AND V126 WESTBOUND AND PROCEDURE NA FOR ARRIVALS AT TELEY ON V38 EASTBOUND - NO TURNS GREATER THAN 90 DEGREES.
22. UPDATED CHART NOTE FROM CIRCLING TO RWY 36 NA AT NIGHT TO CIRCLING RWY 18, 36 NA AT NIGHT - 20:1 PENETRATIONS.
23. REMOVED CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT - NOTE UPDATED TO CIRCLING RWY 18, 36 NA AT NIGHT.
24. REMOVED CHART NOTE: PROCEDURE NA FOR ARRIVALS AT WERBU ON V 55 SOUTHEAST BOUND - RNAV GPS RWY 27 REMOVED FROM FIX USE.
25. ADDED ADDITIONAL FLIGHT DATA LTP HAE: 224.6 M - 8260.19I 2-11-6 B.
26. ADDED TO ADDITIONAL FLIGHT DATA 1160 AAO 411640N/0854301W - NEW OBSTACLE EVALUATION, 8260.19I 8-6-10 E (1).

7/20/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 7/9/2021:

- 1: UPDATED PROFILE LINE 4 MIN ALT FROM DABDE 2700, WODKA 2700, YIDUL/2.00 NM TO RW27 1520\* TO DABDE 2700, WODKA 2700, YIDUL/2.00 NM TO RW27 1520
- 2: REMOVED \*LNAV ONLY FROM ADDITIONAL FLIGHT DATA.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU ARTCC, FWA APP CON

<b>FLIGHT CHECKED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
PATRICK MICHAEL MURRAY	<b>DONALD H LANIER</b>	FICO	07/07/2021
	Aug 04, 2021		

<b>DEVELOPED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
DONALD H. LANIER (MICAH HILLEY)	<b>DONALD H LANIER</b>	AJV-A431	05/11/2020

<b>APPROVED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
GEORGE DAVIS	<b>DONALD H LANIER</b>	AJV-A430		MANAGER
	Aug 04, 2021			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KASW
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	411621.7085N
LTP/FTP LONGITUDE	0854939.6655W
LTP/FTP ELLIPSOIDAL HEIGHT	+02246
FPAP LATITUDE	411619.8600N
FPAP LONGITUDE	0855137.8045W
THRESHOLD CROSSING HEIGHT (TCH)	00052.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	0077409E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02581
FPAP ORTHOMETRIC HEIGHT	+02581



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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KASW	RNAV (GPS) RWY 27	1	WARSAW	IN	850	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM BAGEL TO JASUS

<u>RNP</u>	<u>DISTANCE</u> 7.57	<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>
TOWER (18-001205)	412903.18N/0853542.96W		1304	500	50	5D	1000				AT300	2700
TERRAIN	412336.00N/0853615.00W		1003 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM TELEY TO POPOE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	8.04											
<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>
TOWER (18-002059)	411003.00N/0853537.00W		1178	500	50	5D	1000				AT500	2700
TERRAIN	410924.00N/0853639.00W		918 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



**FACILITY**  
RNAV

QUALITY  
18  
CHECKED

INTERMEDIATE

FROM  
DABDE (IF/IAF)

TO  
WODKA

RNP	DISTANCE 6.02	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-020539)	411505.15N/0853821.61W		1200	50	20	2C	500				AT1000	2700
TERRAIN	411709.00N/0853418.00W		977								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM  
WODKA

TO  
RW27

RNP	DISTANCE 5.65	PAT	MAP DA	HAT 200			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				1047

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM  
WODKA

TO  
RW27

RNP	DISTANCE 5.65	PAT	MAP DA	HAT 487			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-024643)	411624.08N/0854814.05W		1020	50	20	2C		23.37:1			AC20	1334

COMPUTATIONS

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

FINAL: LNAV

FROM  
WODKA

TO  
YIDUL/2.00 NM TO RW27

RNP	DISTANCE 3.65	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	411603.67N/0854326.18W		1140	50	20	2C	250				RA40 DG90	1520

COMPUTATIONS

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





FINAL: LNAV STEPDOWN

FROM  
YIDUL/2.00 NM TO RW27

TO  
RW27

RNP	DISTANCE 2.00	PAT	MAP RW27	HAT 433			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-024643)	411624.08N/0854814.05W		1020	50	20	2C	250					1280

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

HOLD-IN-LIEU OF PT

FROM  
DABDE

TO  
P-4

RNP	DISTANCE	PAT P-4	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-000060)	412202.00N/0852721.00W		1305	50	20	2C	1000				AT300	2700
TERRAIN	411612.00N/0852632.00W		1010 (1000)								AS1500	2500

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



MISSED APPROACH : LPV

FROM  
DA

TO  
DABDE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 880					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2700
TOWER (18-020539)	411505.15N/0853821.61W		1200	50	20	2C	1000					2200
TERRAIN	412245.00N/0854618.00W		994 (1000)								AS1500	2500

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

MISSED APPROACH : LNAV/VNAV

FROM  
DA

TO  
DABDE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1173					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2700
TOWER (18-020539)	411505.15N/0853821.61W		1200	50	20	2C	1000					2200
TERRAIN	412245.00N/0854618.00W		994 (1000)								AS1500	2500

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



MISSED APPROACH : LNAV

FROM  
RW27

TO  
DABDE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1180					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2700
TOWER (18-020539)	411505.15N/0853821.61W		1200	50	20	2C	1000					2200
TERRAIN	412245.00N/0854618.00W		994 (1000)								AS1500	2500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
TRANSMISSION_LINE (18-053382)	411703.16N/0854854.08W	1.30	490	1026	20	10	1B	300			1340
CATEGORY B											
TRANSMISSION_LINE (18-053382)	411703.16N/0854854.08W	1.83	490	1026	20	10	1B	300			1340
CATEGORY C											
TOWER (18-000077)	411412.61N/0855226.94W	2.89	630	1166	20	3	1A	300			1480
CATEGORY D											
TOWER (18-000077)	411412.61N/0855226.94W	3.77	630	1166	20	3	1A	300			1480

CIRCLING REMARKS:



MSA

CENTER  
RW27

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (18-002311)	413655.00N/0861107.00W	325	26.1	1949	500	50	5D	1000			3000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
FWA APP CON, ZAU ARTCC, TERRE HAUTE FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KASW	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KASW	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KGSH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGSH	<u>DISTANCE</u> 15.24	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 39

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KASW 850, KGSH 827  
RA = 38.3.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW9 - HIRL (PCL), REIL (PCL), PAPI-2L		NPI-F	
RW18 - MIRL (PCL), VASI-4L		NPI-F	
RW36 - MIRL (PCL)		NPI-F	
RW27 - HIRL (PCL), REIL (PCL), PAPI-4L		PIR-F	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 846.9	<u>TCH</u> 52.7	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 54.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	901.191
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -16C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -16C	<u>APT ISA</u> +13.32C
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CRITICAL TEMPERATURE REMARKS:  
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 967 HIGH TEMP 1275.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RW18		
20:1			
855 TRAVERSE WAY (18-051310) 411705.20N/0855047.15W (0.15)			
Final Type	CIRCLING RW36		
20:1			
905 TREE (18-024660) 411607.91N/0855053.10W (15.1)		896 TREE (18-052650) 411608.52N/0855045.20W (8.76)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOSHEN ALTIMETER SETTING AND INCREASE LPV DA TO 1086 FEET; INCREASE LNAV/VNAV DA TO 1373 FEET; INCREASE ALL MDAS 40 FT AND VISIBILITY CATS C AND D 1/8 SM.

BARO-VNAV AND VDP NA WHEN USING GOSHEN ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1160 AAO 411640.44N/0854301.13W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<b>AIRPORT ID</b> KASW	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 27	<b>AMDT NO.</b> 1	<b>CITY</b> WARSAW	<b>STATE</b> IN	<b>AIRPORT ELEVATION</b> 850	<b>FACILITY</b> 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	3.46
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	268.91
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	5.25
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	268.91
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1000

THRESHOLD  
COORDINATES  
(IF STR-IN)

411621.71N/0854939.67W

ARP COORDINATES

411628.90N/0855024.30W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 27 DISTANCE 0.72 NM

FAF  
COORDINATES

411628.44N/0854209.89W

FIX NAME  
COORDINATES

REMARKS

THLD DISPLACED 901.191FT, ACTUAL COORDINATES: 411621.89N/0854927.87W.

QUALITY  
18  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<b>NAME</b> DONALD H. LANIER (MICAH HILLEY)	<b>OFFICE</b> AJV-A431	<b>DATE</b> 05/11/2020	<b>TITLE</b> AERONAUTICAL INFORMATION SPECIALIST
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