

**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SUPERSEDED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> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-19

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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

FLIGHT CHECKED BY

PATRICK MICHAEL MURRAY

Digitally signed by

DONALD H LANIER

Aug 04, 2021

OFFICE

FICO

DATE

07/07/2021

DEVELOPED BY

DONALD H. LANIER (MICAH HILLEY)

Digitally signed by

DONALD H LANIER

Aug 04, 2021

OFFICE

AJV-A431

DATE

05/11/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

DONALD H LANIER

Aug 04, 2021

OFFICE

AJV-A430

DATE**TITLE**

MANAGER



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

