

**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 9	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WARSAW	<u>STATE</u> IN		
<u>AIRPORT ELEVATION</u> 850	<u>TDZE</u> 845	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 09/23/2010	<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

<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>
GSH VORTAC		WAGPI		TF	FB	1.00	207.99	9.29	2800
CLEFT		COXUK		TF	FB	1.00	327.58	5.16	2800
WAGPI	IAF	JIDNA	NOPT	TF	FB	1.00	181.63	7.00	2800
COXUK	IAF	JIDNA	NOPT	TF	FB	1.00	001.63	7.00	2800
JIDNA	IF/IAF	KUVKE		TF	FB	1.00	091.63	5.97	2800
KUVKE	FAF	IVDAW/2.50 NM TO RW9		TF	FB	0.30	091.72	3.52	
IVDAW/2.50 NM TO RW9		RW9	MAP	TF	FO	0.30	091.72	2.50	
RW9	MAP	1095 MSL		CA			091.72		
1095 MSL		DABDE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT DABDE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD W JIDNA, RT, 091.63 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 091.72FAF: KUVKEDIST FAF TO MAP: 6.02DIST FAF TO THLD: 6.02

4. MIN ALT: JIDNA 2800, KUVKE 2800, IVD AW/2.50 NM TO RW9 1660

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.67GS ANT:

6. MIN GP INCPT: 2800GP ALT AT FAF : KUVKE 2800OM:MM:IM:

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

8. MSA FROM: RW09 3000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.
CHART NOTE: RWY 9 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.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GSH VORTAC AIRWAY RADIALS 130 CW 270.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CLEFT ON V38 EASTBOUND AND V285 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 271.99 INBOUND.
CHART FAS OBST: 1000 TREE (18-052719) 411641N/0855234W.
1110 AAO 411519N/0855901W.
CHART VDP AT 1.24 NM TO RW09.
WAAS CHANNEL # 97719
REFERENCE PATH ID: W09A
CHART CIRCLING ICON.
LTP HAE: 221.7 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	1095	3/4	250	1095	3/4	250	1095	3/4	250	1095	3/4	250			
LNAV/VNAV DA	1295	1 3/8	450	1295	1 3/8	450	1295	1 3/8	450	1295	1 3/8	450			
LNAV MDA	1260	1	415	1260	1	415	1260	1 1/8	415	1260	1 1/8	415			
CIRCLING	1340	1	490	1340	1	490	1480	1 3/4	630	1480	2	630			

CHANGES - REASONS

1. UPDATED TERMINAL ROUTE FROM CLEFT TO WARUT COURSE/DISTANCE 336.92/6.91 NM TO CLEFT TO COXUK 327.58/5.16 NM FT - NEW FIX CREATED TO SUPPORT ATC VECTORING, NEW CONTROLLING OBSTACLE.
2. UPDATED TERMINAL ROUTE FROM GSH VORTAC TO UBTEY, COURSE/ 203.42/11.12 NM TO GSH VORTAC TO WAGPI 207.99/9.29 NM - NEW FIX CREATED TO SUPPORT ATC VECTORING, NEW CONTROLLING OBSTACLE.
3. UPDATED TERMINAL ROUTE FROM WARUT TO JIDNA 5.00 NM TO COXUK TO JIDNA 7.00 NM - NEW FIX CREATED TO SUPPORT ATC VECTORING, NEW CONTROLLING OBSTACLE, NEW TARGETS EVALUATION.
4. UPDATED TERMINAL ROUTE UBTEY TO JIDNA 5.00 NM TO WAGPI TO JIDNA 7.00 NM - NEW FIX CREATED TO SUPPORT ATC VECTORING, NEW CONTROLLING OBSTACLE, NEW TARGETS EVALUATION.
5. UPDATED TERMINAL ROUTE JIDNA TO KUVKE DISTANCE FROM 6.05 NM TO 5.97 NM - FAF COORDINATES CHANGED.
6. ADDED MAX 6000 TO PROFILE LINE 2 - 8260.19I 8-6-7 B(2).
7. UPDATED LINE 5 250 HAT FROM 0.68 TO 0.67 - 8260.19I 8-6-7 E(3).
8. UPDATED PROFILE LINE 7 FROM TCH: 40 TO TCH: 45 AND ADDED 20:1 IS CLEAR - 8260.3D 10-1-4 TABLE 10-1-1: NO 20:1 PENETRATIONS.
9. ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE AND REMOVED "CHART NOTE: DME/DME RNP - 0.3 NA" - 8260.19H, 8-6-8.B.
10. UPDATED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. TO RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - 34:1 PENETRATIONS EXISTS; INCORPORATED NOTAM 9/6841.
11. REMOVED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GOSHEN ALTIMETER SETTING - MOVED TO -9 AS CONTINGENCY NOTE.
12. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOSHEN ALTIMETER SETTING AND INCREASE ALL DA/MDA 40FT - MOVED TO BACK OF -9 AS A CONTINGENCY NOTE.
13. 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 -16°C OR ABOVE 54°C. - FAHRENHEIT VALUES NO LONGER NEEDED.
14. UPDATED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - 8260.19I 8-6-9 M(1).
15. UPDATED ADDITIONAL FLIGHT DATA FROM CHART VDP AT 1.06 MILES TO RW09* TO VDP: 1.24 NM TO RW09* - LNAV MINIMUMS INCREASED, NEW TARGETS EVALUATION.
16. UPDATED CHART FAS OBSTACLE FROM 939 TREE 411619N/0855144W TO 1000 TREE 411641N/0855234W - NEW CONTROLLING OBSTACLE.
17. UPDATED LPV VISIBILITY FROM 1 SM TO 3/4 SM - UPDATED AIRPORT SURVEY AND REVISED VISIBILITY CALCULATIONS IAW 8260.3D TABLE 3-3-1.
18. UPDATED LNAV/VNAV DA/HAT FROM 1237/392 TO 1295/450 AND VISIBILITY FROM 1 1/2 SM TO 1 3/8 SM - NEW CONTROLLING OBSTACLE AND UPDATED AIRPORT SURVEY AND REVISED VISIBILITY CALCULATIONS IAW 8260.3D TABLE 3-3-1.
19. UPDATED LNAV MDA/HAT FROM 1200/355 TO 1260/415 AND VISIBILITY FOR CAT C FROM 1 1/2 SM TO 1 1/8 SM AND CAT D FROM 1 1/4 SM TO 1 1/8 SM. - 8260.3D 3-3-1, NEW CONTROLLING OBSTACLE AND UPDATED AIRPORT SURVEY AND REVISED VISIBILITY CALCULATIONS IAW TABLE 3-3-1.
20. UPDATED CIRCLING CAT A/B MDA/HAA FROM 1320/470 TO 1340/490, CAT C FROM 1320/470 TO 1480/630, CAT D FROM 1400/550 TO 1480/630, AND CIRCLING CAT C VISIBILITY FROM 1 1/2 SM TO 1 3/4 SM - 8260.3D 3-3-3, NEW CIRCLING CRITERIA, NEW CONTROLLING OBSTACLE AND UPDATED AIRPORT SURVEY AND REVISED VISIBILITY CALCULATIONS IAW TABLE 3-3-1.
21. FAS DATA LTP/FTP LONGITUDE CHANGED FROM 0855046.4425W TO 0855046.4399W - INCORPORATED ACTIVE AIRNAV DATA.
22. FAS DATA FPAP LATITUDE CHANGED FROM 411622.5000N TO 411622.5020N AND LONGITUDE FROM 0854846.3000W TO 0854848.2995W - NEW EVALUATION.
23. CRC REMAINDER CHANGED FROM D689C31E TO 2F642FD4 - LTP AND FPAP COORDINATES UPDATED.
24. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA APPLIED.
25. REMOVED CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT - NOTE UPDATED TO CIRCLING RWY 18, 36 NA AT NIGHT.
26. UPDATED CHART NOTE: FROM PROCEDURE NA FOR ARRIVALS AT CLEFT ON V144 EASTBOUND AND AT GSH VORTAC ON V233 NORTHEAST BOUND TO PROCEDURE NA FOR ARRIVALS AT GSH VORTAC AIRWAY RADIALS 130 CW 270 AND PROCEDURE NA FOR ARRIVAL AT CLEFT ON V38 EASTBOUND AND V285 SOUTHBOUND- 8260.19I 8-2-5 E.
27. UPDATED CHART NOTE FROM CIRCLING TO RWY 36 NA AT NIGHT TO CIRCLING RWY 18, 36 NA AT NIGHT - 20:1 PENETRATIONS.
28. ADDED 7:1 OBSTACLE TO ADDITIONAL FLIGHT DATA: 1110 AAO 411519N/0855901W - 8260.19I 8-6-10 E (1).
29. UPDATED PROFILE LINE 4 STEPDOWN FIX ALTITUDE AT IVDDAW FROM 1680 TO 1660 - UPDATED FAF COORDINATES.
30. UPDATED PROFILE LINE 3 DISTANCE FAF TO MAP AND THLD FROM 5.94 TO 6.02 - UPDATED FAF COORDINATES.
31. LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM +02553 TO +02552 - INCORPORATED ACTIVE AIRNAV DATA.

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

1: UPDATED PROFILE LINE 4 MIN ALT FROM JIDNA 2800, KUVKE 2800, IVDAW/2.50 NM TO RW09 1660* TO JIDNA 2800, KUVKE 2800, IVDAW/2.50 NM TO RW09 1660.

2: REMOVED *LNAV ONLY FROM NOTES AND ADDITIONAL FLIGHT DATA.



AIRPORT ID
KASW

PROCEDURE NAME
RNAV (GPS) RWY 9

ORIGINAL/AMENDMENT
1

CITY
WARSAW

STATE
IN

COORDINATED WITH:

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

FLIGHT CHECKED BY

PATRICK MICHAEL MURRAY

Digitally signed by

DONALD H LANIER

Jul 21, 2021

OFFICE

FIOG

DATE

07/07/2021

DEVELOPED BY

DONALD H. LANIER (MICAH HILLEY)

Digitally signed by

DONALD H LANIER

Jul 21, 2021

OFFICE

AJV-A431

DATE

04/15/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

DONALD H LANIER

Jul 21, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER

QUALITY
18
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KASW
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	411620.6680N
LTP/FTP LONGITUDE	0855046.4395W
LTP/FTP ELLIPSOIDAL HEIGHT	+02217
FPAP LATITUDE	411622.5020N
FPAP LONGITUDE	0854848.2995W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2F642FD4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02552
FPAP ORTHOMETRIC HEIGHT	+02552