

**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> KHRJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> ERWIN	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 202	<u>TDZE</u> 202	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 11/04/2021	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 138/30 CW 318/30	NOPT	WUKGY	IF/IAF	3400
2. 318/30 CW 048/30		EZUWI	IAF	3400
3. 048/30 CW 138/30		UWOGI	IAF	3400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EZUWI	IAF	WUKGY	NOPT	TF	FB	1.00	318.00	5.00	3400
UWOGI	IAF	WUKGY	NOPT	TF	FB	1.00	137.92	5.00	3400
WUKGY	IF/IAF	IBUWE		TF	FB	1.00	228.04	6.02	1900
IBUWE	FAF	CIRKO/2.00 NM TO RW23		TF	FB	0.30	228.00	3.13	
CIRKO		RW23	MAP	TF	FO	0.30	228.00	2.00	
RW23	MAP	551 MSL		CA			228.00		
551 MSL		IRWOX		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT IRWOX AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE WUKGY, RT, 228.04 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 14000.
3. FAF: 228.00 FAF: IBUWE DIST FAF TO MAP: 5.13 DIST FAF TO THLD: 5.13
4. MIN ALT: WUKGY 3400, IBUWE 1900, CIRKO/2.00 NM TO RW23 860
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 349 HAT: 0.97 GS ANT:
6. MIN GP INCPT: 1900 GP ALT AT PFAF : IBUWE 1900 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 047.87 INBOUND.
 CHART FAS OBST: 332 TREE (37-156426) 352421N/0784313W.
 CHART ECHO MOA.
 CHART VDP AT 1.13 NM TO RW23.
 WAAS CHANNEL # 45904
 REFERENCE PATH ID: W23A
 CHART CIRCLING ICON.
 LTP HAE: 28.1 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		
	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	551	1	349	551	1	349	551	1	349		NA				
LNAV MDA	600	1	398	600	1	398	600	1 1/8	398		NA				
CIRCLING	660	1	458	720	1	518	780	1 1/2	578		NA				



CHANGES - REASONS

1. ADDED CA LEG TO MISSED APPROACH IAW .58B 3-5-2 - NOT PREVIOUSLY DOCUMENTED.
2. UPDATED PROFILE LINE 4: FROM "WUKGY 3400, IBUWE 1900, CIRKO/2.00 NM TO RW23 860*" TO "WUKGY 3400, IBUWE 1900, CIRKO/2.00 NM TO RW23 860" AND REMOVED "**LNAV ONLY" - UPDATED TO CURRENT CRITERIA, 8260.19I 8-6-10M.
3. CHANGED PROFILE LINE 6 FROM "IBUWE" TO "IBUWE 1900" - 8260.19I, 8-6-7F(1).
4. ADDED 20:1 IS CLEAR ON PROFILE LINE 7 - NO PENETRATIONS EXIST.
5. REMOVED CHART NOTE "DME/DME RNP 0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - PER 8260.19I PARA 8-6-8 B(2).
6. REMOVED CHART NOTE "VGS1 AND RNAV GLIDEPATH NOT COINCIDENT" - NO LONGER REQUIRED.
7. MOVED BACKUP ALTIMETER NOTE FROM -3 AND ASSOCIATED VDP NOTE TO PART C REMARKS AS CONTINGENCY NOTE - WEATHER IS ON WMSCR.
8. ADDED CHART NOTE: "RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 34:1 PENETRATIONS EXIST.
9. REMOVED "CHART AIRPORT AND TDZE ELEVATION: 202" FROM ADDITIONAL DATA - NO LONGER REQUIRED.
10. CHANGED CHART FAS OBST FROM "297 TREE 352328N/0784316W" TO "332 TREE (37-156426) 352421N/0784313W"- NEW CONTROLLING OBSTACLE.
11. CHANGED "CHART VDP AT 1.14 NM TO RW23" TO "CHART VDP AT 1.13 NM TO RW23" IN ADDITIONAL FLIGHT DATA - NEW PROCEDURE EVALUATION.
12. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON - NEW CIRCLING AREA EVALUATED.
13. UPDATED LPV VISIBILITY ALL CATS FROM 1 1/4 SM TO 1 SM - UPDATED 8260.3D VIS TABLES.
14. UPDATED LNAV VISIBILITY CAT C FROM 1 SM TO 1 1/8 SM - UPDATED 8260.3D VIS TABLES.
15. CRC REMAINDER CHANGED FROM "2970196C" TO "355E02B8" - LTP/FTP CHANGED FROM "352307.5145N/0784336.6640W" TO "352307.5285N/0784336.6465W" AND FPAP COORDINATES FROM "352159.1000N/0784446.6300W" TO "352159.1175N/0784446.6085W".
16. NOTAM FDC 1/2321 INCORPORATED INTO THIS AMENDMENT - REQUIRED IAW 8260.19I, 8-3-4C(3).

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDC, FAY APP CON, AIRPORT MNGR

FLIGHT CHECKED BY

GEORGE E SEARLES

Digitally signed by

CASIMIR L TABAKA

Aug 01, 2022

OFFICE

FPO

DATE

07/27/2022

DEVELOPED BY

JON DENTON (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Aug 01, 2022

OFFICE

AJV-A432

DATE

12/10/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

CASIMIR L TABAKA

Aug 01, 2022

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	KHRJ
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	352307.5285N
LTP/FTP LONGITUDE	0784336.6465W
LTP/FTP ELLIPSOIDAL HEIGHT	+00281
FPAP LATITUDE	352159.1175N
FPAP LONGITUDE	0784446.6085W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
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	355E02B8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00615
FPAP ORTHOMETRIC HEIGHT	+00615

