

**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 5	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> ERWIN	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 202	<u>TDZE</u> 196	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 2C	<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. 318/30 CW 138/30	NOPT	IRWOX	IF/IAF	2500
2. 138/30 CW 228/30		OMFOH	IAF	3400
3. 228/30 CW 318/30		ECLEJ	IAF	3400

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ECLEJ	IAF	IRWOX	NOPT	TF	FB	1.00	317.91	5.00	2500
OMFOH	IAF	IRWOX	NOPT	TF	FB	1.00	137.82	5.00	2500
IRWOX	IF/IAF	IJADE		TF	FB	1.00	047.87	6.02	1900
IJADE	FAF	RW5	MAP	TF	FO	0.30	047.91	5.19	
RW5	MAP	475 MSL		CA			047.91		
475 MSL		WUKGY		DF	FO	1.00			3400

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV: RW5

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3400 DIRECT WUKGY AND HOLD, CONTINUE CLIMB IN HOLD TO 3400.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD SW IRWOX, RT, 047.87 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 14000.
- 3. **FAC:** 047.91                            **FAF:** IJADE                            **DIST FAF TO MAP:** 5.19                            **DIST FAF TO THLD:** 5.19
- 4. **MIN ALT:** IRWOX 2500, IJADE 1900
- 5. **DIST TO THLD FROM OM:**                            **MM:**                            **IM:**                            **150 HAT:**                            **279 HAT:** 0.79                            **GS ANT:**
- 6. **MIN GP INCPT:** 1900                            **GP ALT AT PFAF:** IJADE 1900                            **OM:**                            **MM:**                            **IM:**
- 7. **GP ANGLE:** 3.00                            **34:1:** IS CLEAR                            **20:1:** IS CLEAR                            **TCH:** 35.0
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

**ADDITIONAL FLIGHT DATA:**

HOLD NE, RT, 228.04 INBOUND.  
 FAS OBST: 379 AAO 351854N/0784733W.  
 456 AAO 351836N/0784851W.  
 CHART ECHO MOA.  
 CHART VDP AT 1.29 NM TO RW05.  
 WAAS CHANNEL # 66004  
 REFERENCE PATH ID: W05A  
 CHART CIRCLING ICON.  
 LTP HAE: 23.9 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	475	1	279	475	1	279	475	1	279		NA				
RNAV MDA	640	1	444	640	1	444	640	1 3/8	444		NA				
CIRCLING	660	1	458	720	1	518	780	1 1/2	578		NA				



**CHANGES - REASONS**

1. CHANGED CA LEG ALTITUDE FROM 474 MSL TO 475 MSL IN TERMINAL ROUTES - DA RAISED FROM 474 TO 475.
2. CHANGED 34:1: "IS NOT CLEAR" TO "IS CLEAR" AND ADDED 20:1 IS CLEAR ON PROFILE LINE 7 - NO PENETRATIONS EXIST.
3. REMOVED "DME/DME RNP 0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - PER 8260.19I PARA 8-6-8 B(2).
4. MOVED BACKUP ALTIMETER NOTE FROM -3 AND ASSOCIATED VDP NOTE TO PART C REMARKS AS CONTINGENCY NOTE - WEATHER IS ON WMSCR.
5. CHANGED FAS OBST FROM "281 TREE 352232N/0784355W" TO "379 AAO 351854N/0784733W"- NEW CONTROLLING OBSTACLE.
6. ADDED "CHART VDP AT 1.29 NM TO RW05" TO ADDITIONAL FLIGHT DATA - 8260.19I PARA 8-6-10M(MEMO).
7. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON - NEW CIRCLING AREA EVALUATED.
8. UPDATED LPV MINIMUMS DA FROM 474 TO 475 - NEW TDZE ELEVATION.
9. UPDATED LNAV MINIMUMS FROM MDA/HAT 540/345 TO MDA/HAT 640/444 AND CAT C VISIBILITY FROM 1 SM TO 1 3/8 SM - NEW FAS OBST, UPDATED 8260.3D VIS TABLES.
10. CRC REMAINDER CHANGED FROM "4F923E5E" TO "2FD098DD" - LTP/FTP CHANGED FROM "352229.6105N/0784415.4335W" TO "352229.5865N/0784415.4540W" AND FPAP COORDINATES FROM "352338.0100N/0784305.4500W" TO "352337.9925N/0784305.4770W".
11. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3400 DIRECT WUKGY AND HOLD" TO "CLIMB TO 3400 DIRECT WUKGY AND HOLD, CONTINUE CLIMB IN HOLD TO 3400." - NEW TERRAIN EVALUATION.
12. ADDED 7:1 OBSTACLE "456 AAO 351836N/0784851W" TO ADDITIONAL FLIGHT DATA - NEW TERRAIN EVALUATION.
13. 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**

12/07/2021

**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	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	352229.5865N
LTP/FTP LONGITUDE	0784415.4540W
LTP/FTP ELLIPSOIDAL HEIGHT	+00239
FPAP LATITUDE	352337.9925N
FPAP LONGITUDE	0784305.4770W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
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	2FD098DD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00573
FPAP ORTHOMETRIC HEIGHT	+00573

