

**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> KRNO	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 35L	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> RENO	<u>STATE</u> NV		
<u>AIRPORT ELEVATION</u> 4415	<u>TDZE</u> 4410	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 35L	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 11/03/2022	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 JUNE 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SWR VOR/DME		ZAPTU		TF	FB	1.00	091.21	16.79	11500
ZAPTU		PIDIC		TF	FB	1.00	077.04	7.04	11500
RICHY		PIDIC		TF	FB	1.00	046.70	13.46	11500
VIKES		NIPME		TF	FB	1.00	179.30	6.76	11000
PIDIC	IAF	JUKNU		TF	FB	1.00	347.12	4.20	9900
NIPME	IAF	JUKNU		TF	FB	1.00	257.22	7.00	9900
RAMRE	IAF	JUKNU		TF	FB	1.00	323.08	9.81	9900
TARVR	IAF	SPOON		TF	FB	1.00	347.09	17.49	11500
SPOON	IAF	JUKNU		TF	FB	1.00	347.12	4.41	9900
JUKNU	IF	ZEXUT		TF	FB	1.00	347.12	5.79	8600
ZEXUT		EPOSE	PFAF	TF	FB	1.00	347.12	2.57	8200
EPOSE	PFAF	RW35L	MAP	TF	FO	0.30	347.12	9.94	
RW35L	MAP	4815 MSL		CA			347.12		
4815 MSL		ETARE		DF	FB	1.00			
ETARE		TAKLE		TF	FO	1.00	347.13	1.94	11000



MISSED APPROACH

MAP:

LPV: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 11000 DIRECT ETARE AND ON TRACK 347.13 TO TAKLE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11000.

*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 260 FEET PER NM TO 6860.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT JUKNU					
3. FAC:	347.12	PFAF: EPOSE	DIST PFAF TO MAP:	DIST PFAF TO THLD:	
4. MIN ALT:	JUKNU 9900, ZEXUT 8600, EPOSE 8200				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	330 HAT: 0.74	GS ANT:
6. MIN GP INCPT:	8200	GP ALT AT PFAF :	EPOSE 8200	OM:	MM:
7. GP ANGLE:	3.54	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 51.3	IM:
8. MSA FROM:	RW35L 12000				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

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

CHART NOTE: FOR INOPERATIVE ALS INCREASE LPV ALL CATS VISIBILITY TO 3 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RICHY ON V28-113 SOUTHWEST BOUND, AT RAMRE ON V165 SOUTHBOUND, AND AT SWR VOR/DME ON V6 AND T331 SOUTHWEST BOUND.

CHART SPEED ICON IN PLANVIEW AT ZAPTU: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT PIDIC: MAX 250 KIAS.

CHART SPEED ICON IN PLANVIEW AT NIPME: MAX 250 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 14000 AT TARVR.

HOLD N, RT, 167.12 INBOUND.

WAAS CHANNEL # 82609

REFERENCE PATH ID: W35A

LTP HAE: 1320.1 M



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

ALTERNATE: NA STANDARD - CAT A, B, C 1000-2 1/2

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*	4740	1/2	330	4740	1/2	330	4740	1/2	330		NA					
LPV DA	5384	2 1/2	974	5384	2 1/2	974	5384	2 1/2	974		NA					

CHANGES - REASONS

1. DELETED "CHART NOTE: CIRCLING TO RWY 8 NA AT NIGHT" -- NO CIRCLING MINIMUMS.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA **OTHER:** ZOA, RNO APCH, RNO ATCT, AMGR, NV AERO

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
ALLAN WILL
Apr 08, 2024

DEVELOPED BY

MICHAEL R. GARRITY JR. (DANIEL C JOHNSEN)

OFFICE

AJV-A423

DATE

08/18/2023

Digitally signed by
ALLAN WILL
Apr 08, 2024

APPROVED BY

MICHAEL GARRITY

OFFICE

AJV-A423

DATE

01/25/2024

Digitally signed by
ALLAN WILL
Apr 08, 2024
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRNO
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	392910.9125N
LTP/FTP LONGITUDE	1194609.4465W
LTP/FTP ELLIPSOIDAL HEIGHT	+13201
FPAP LATITUDE	393049.8530N
FPAP LONGITUDE	1194609.1935W
THRESHOLD CROSSING HEIGHT (TCH)	00051.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.54
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F39E0349

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+13442
FPAP ORTHOMETRIC HEIGHT	+13442