

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> KPRO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> PERRY	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 1013	<u>TDZE</u> 1012	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/29/2014	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<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>
GUMBO	IAF	EXPOW	NOPT	TF	FB	1.00	264.62	9.99	3500
ILODE	IAF	EXPOW	NOPT	TF	FB	1.00	031.39	7.10	3500
EXPOW	IF/IAF	CUNKU		TF	FB	1.00	318.77	5.00	2600
CUNKU	FAF	PEVIY/2.20 NM TO RW32		TF	FB	0.30	318.72	2.68	
PEVIY/2.20 NM TO RW32		RW32	MAP	TF	FO	0.30	318.72	2.20	
RW32	MAP	1500 MSL		CA			318.72		1500
1500 MSL		LINDE		DF	FO	1.00			3500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW32

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3500 DIRECT LINDE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT                      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF                      (IAF)

2. HOLD SE EXPOW, RT, 318.77 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 318.72                      FAF: CUNKU                      DIST FAF TO MAP: 4.88                      DIST FAF TO THLD: 4.88

4. MIN ALT:      EXPOW 3500, CUNKU 2600, PEVIY/2.20 NM TO RW32 1740

5. DIST TO THLD FROM FAF: 4.88                      MM:                      IM:                      150 HAT:                      200 HAT: 0.53                      GS ANT:

6. MIN GP INCPT: 2600                      GP ALT AT FAF : CUNKU 2600                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1: IS CLEAR                      20:1: IS CLEAR                      TCH: 40.0

8. MSA FROM: RW32 4000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°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 ARRIVALS AT GUMBO ON V172 EASTBOUND AND V505 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 336.37 INBOUND.  
FAS OBST: 1129 TREE 414913N/0940934W.  
CHART VDP AT 1.09 NM TO RW32  
WAAS CHANNEL # 90508  
REFERENCE PATH ID: W32A  
CHART CIRCLING ICON.  
LTP HAE: 277.7 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	1212	1	200	1212	1	200		NA			NA				
LNAV/VNAV DA	1299	1	287	1299	1	287		NA			NA				
LNAV MDA	1380	1	368	1380	1	368		NA			NA				
CIRCLING	1460	1	447	1480	1	467		NA			NA				

QUALITY  
22  
CHECKED

**CHANGES - REASONS**

1. CHANGES FROM P-NOTAM 1A INCORPORATED INTO THIS AMENDMENT. - IAW 8260.19I,8-3-4 C(3).
2. MOVED ALL NOTES AND REFERENCES TO BOONE ALTIMETER SETTING TO 8260-9 FOR CONTINGENCY PURPOSES - LOCAL AND SECONDARY ON WMSCR.
3. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. -IAW 8260.19I,8-6-8.B (3)(B).
4. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ILODE ON V175 WESTBOUND. - PER FPT REQUEST/V175 REMOVED.
5. ADDED CHART NOTE: CIRCLING NA TO RWYS 4 AND 22 - RUNWAYS 4 AND 22 ARE TURF RUNWAYS.
6. ADDED NEW CIRCLING/CHART CIRCLING ICON - PER FPT REQUEST/ 8260.19I, 8-6-10.
7. UPDATED VGSI NON COINCIDENT NOTE - CURRENT CRITERIA VERBIAGE.
8. ADDED "MAX 6000" TO PROFILE LINE 2 - IAW 8260.19I, 8-6-7.B (2).
9. ADDED "20:1: IS CLEAR" TO PROFILE LINE 7 - NO 20:1 PENETRATIONS EXIST.
10. CHANGED DISTANCE TO THLD FROM 200 HATH: 0.50 NM TO DISTANCE TO THLD FROM 200 HAT: 0.53 AND RELOCATED IT FROM ADDITIONAL FLIGHT DATA TO PROFILE LINE 5 - NEW TARGETS EVALUATION/8260.19I, 8-6-7.E (3).
11. CHANGED LPV CAT A AND B VISIBILITY FROM 3/4 TO 1 - UPDATED VISCHECK RESULTS.
12. CHANGED LNAV/VNAV CAT A AND B VISIBILITY FROM 7/8 TO 1- UPDATED VISCHECK RESULTS.
13. CHANGED CRC REMAINDER FROM C7E17BE1 TO 477C0868 - FPAP COORDINATES UPDATED.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, DSM APP CON, AMGR

**FLIGHT CHECKED BY**

LAEX KRAUSE

*Digitally signed by*  
**DAVID TEFFETELLER**

May 06, 2021

**OFFICE**  
FICO

**DATE**  
05/04/2021

**DEVELOPED BY**

JON DENTON (KATHERINE EUBANKS)

*Digitally signed by*  
**DAVID TEFFETELLER**  
May 06, 2021

**OFFICE**  
AJV-A432

**DATE**  
01/29/2021

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*  
**DAVID TEFFETELLER**  
May 06, 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	KPRO
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	414926.3430N
LTP/FTP LONGITUDE	0940921.4220W
LTP/FTP ELLIPSOIDAL HEIGHT	+02777
FPAP LATITUDE	415035.2920N
FPAP LONGITUDE	0941036.9655W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	477C0868

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03061
FPAP ORTHOMETRIC HEIGHT	+03061