

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> KUNV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> STATE COLLEGE	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 1231	<u>TDZE</u> 1218	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 04/20/2023	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> 08/10/2023	<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>
PSB VORTAC		HUXET		TF	FO	1.00	087.59	17.66	4900
RASHE		HUXET		TF	FO	1.00	015.15	18.47	4900
HUXET	IF/IAF	JOMIV		TF	FB	1.00	243.91	3.39	3600
JOMIV		GEKDE		TF	FB	1.00	243.88	2.59	3400
GEKDE	FAF	RW24	MAP	TF	FO	0.30	243.83	6.76	
RW24	MAP	1418 MSL		CA			243.83		
1418 MSL		HIMAB		DF	FO	1.00			4400

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW24

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4400 DIRECT HIMAB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
20  
CHECKED



**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD - CAT D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA*	1418	2400	200	1418	2400	200	1418	2400	200	1418	2400	200			
LNAV/VNAV DA	1619	4000	401	1619	4000	401	1619	4000	401	1619	4000	401			
LNAV MDA	1640	2400	422	1640	2400	422	1640	4000	422	1640	4000	422			
CIRCLING	1640	1	409	1700	1	469	1940	2	709	2560	3	1329			

**CHANGES - REASONS**

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO THE FORM.
2. TERMINAL ROUTES: PSB VORTAC AND RASHE TO HUXET: RNP VALUE CHANGED FROM 2.00 TO 1.00 - IAW 8260.58B, TABLE 1-2-1.
3. TERMINAL ROUTES: PSB VORTAC AND RASHE TO HUXET: INCREASED MINIMUM ALTITUDE FROM 4800 TO 4900 - TO MITIGATE OBSTACLE, 2855 FT TOWER.
4. TERMINAL ROUTES: UPDATED HUXET TO JOMIV LEG DISTANCE FROM 3.10 TO 3.39 - JOMIV FIX MOVED .29 NM SW TO MEET RNAV MINIMUM LEG LENGTH REQUIREMENT IAW 8260.58B, PARA 1-2-5.
5. TERMINAL ROUTES: CHANGED JOMIV TO GEKDE LEG DISTANCE FROM 2.88 TO 2.59 - JOMIV FIX MOVED .29 NM SW TO MEET RNAV MINIMUM LEG LENGTH REQUIREMENT IN INTERMEDIATE SEGMENT IAW 8260.58B, PARA 1-2-5.
6. TERMINAL ROUTES: ADDED 1.00 TO MISSED APPROACH RNP - IAW 8260.58B, TABLE 1-2-1.
7. TERMINAL ROUTES: PSB VORTAC TO HUXET: INCREASE MINIMUM ALTITUDE FROM 4800 TO 4900 - TO MITIGATE OBSTACLE, 2855 FT TOWER.
8. MISSED APPROACH INSTRUCTIONS: CHANGED INSTRUCTIONS FROM "CLIMB TO 4100 DIRECT HIMAB AND HOLD" TO "CLIMB TO 4400 DIRECT HIMAB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400" - INCREASED ALTITUDE TO 4400 TO MITIGATE PRECIPITOUS TERRAIN; ADDED CLIMB-IN-HOLD TO REACH REQUIRED MINIMUM HOLD ALTITUDE AND REMAIN CLEAR OF OBSTACLES.
9. PROFILE: LINE 2: INCREASED HILPT ALTITUDE FROM 4000 TO 4900 - TO MITIGATE PRECIPITOUS TERRAIN.
10. PROFILE: LINE 3: CHANGED FAC FROM 243.84 TO 243.83 - FAF MOVED 1.29 NM NE.
11. PROFILE: LINE 4: INCREASED HUXET MIN ALTITUDE FROM 4000 TO 4900 - TO MITIGATE PRECIPITOUS TERRAIN.
12. PROFILE LINE 7: ANNOTATED 34:1 AND 20:1 ARE CLEAR - IAW 8260.19I, 8-6-7 (G)(3).
13. PROFILE LINE 8: INCREASED MSA ALTITUDE FROM 4100 TO 4300 - TO MITIGATE HIGHER OBSTACLE, 3231 FT WINDMILL.
14. EQUIPMENT REQUIREMENTS NOTE: REPLACED "RNP APCH" WITH "RNP APCH - GPS" - IAW 8260.19I PARA 8-6-8 (B)(2).
15. NOTES: ADDED "CHART NOTE: \* RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING CLEARFIELD ALTIMETER SETTING)" - IAW 8260.19I PARA 8-6-11 (K)(1).
16. NOTES: UPDATED BARO-VNAV CRITICAL TEMPERATURES TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - IAW 8260.19I, 8-6-9 (R).
17. NOTES: CHANGED CHART NOTE: FOR INOPERATIVE ALS FROM "INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM" TO "INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000" - IAW 8260.3E, 3-3-2; RVR TD SENSOR INSTALLED AT THE RWY 24.
18. NOTES: UPDATED AND RELOCATED BACKUP ALTIMETER AND ASSOCIATED NOTES TO 8260-9 IN GENERAL REMARKS - FOR CONTINGENCY PURPOSES IAW 8260.19I, 8-6-9 (F)(4).
19. ADDITIONAL FLIGHT DATA: UPDATED "VDP AT 1.17 NM TO RW24" TO "VDP AT 1.23 NM TO RW24" - IAW 8260.19I, 8-6-10 (M); REVISED TARGETS CALCULATION.
20. NOTES: REMOVED "CHART CIRCLING ICON" - IAW REVISED CIRCLING MANEUVERING AREA CRITERIA IMPLEMENTATION PLAN MEMO 279 DATED MAY 13, 2021.
21. ADDITIONAL FLIGHT DATA: CHANGED HOLDING INBOUND COURSE CHANGED FROM 063.61 TO 063.83 - TO ALIGN WITH FAC (243.83).
22. MINIMUMS: CHANGED LPV ALL CATS VISIBILITY UNIT OF MEASUREMENT FROM 1/2 SM TO 2400 FT - IAW 8260.3E, 3-3-2; RVR TD SENSOR INSTALLED ON RWY 24.
23. MINIMUMS: CHANGED LNAV/VNAV ALL CATS VISIBILITY UNIT OF MEASUREMENT FROM 3/4 SM TO 4000 FT - IAW 8260.3E, 3-3-2; RVR TD SENSOR INSTALLED ON RWY 24.
24. MINIMUMS: CHANGED LNAV CATS A/B VISIBILITY UNIT OF MEASUREMENT FROM 1/2 SM TO 2400 FT; CATS C/D UNIT OF MEASUREMENT FROM 3/4 SM TO 4000 FT - IAW 8260.3E, 3-3-2; RVR TD SENSOR INSTALLED ON RWY 24.
25. MINIMUMS: REDUCED CIRCLING CAT D MDA/HAA FROM 2580/1349 TO 2560/1329 - DUE TO REVISED OBSTACLE EVALUATION, 2260 FT AAO.
26. UPDATED FPAP LATITUDE/LONGITUDE FROM 405026.1200N 0775150.0635W TO 405026.1105N 0775150.0610W - NEW FAS DATA CALCULATIONS.
27. UPDATED CRC REMAINDER FROM 67D5E38F TO 8CFC4F02 - NEW FAS DATA CALCULATIONS.

QUALITY  
20  
CHECKED

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZNY, AMGR

FLIGHT CHECKED BY  
PENDING

*Digitally signed by*

***ERIC N SUSKI***

May 15, 2023

OFFICE

DATE

DEVELOPED BY  
PARNELL PRASSADA

*Digitally signed by*

***PARNELL R PRASSADA***

May 09, 2023

OFFICE  
AJV-A431

DATE  
04/13/2023

APPROVED BY  
JOHNNIE BAKER

*Digitally signed by*

***ERIC N SUSKI***

May 12, 2023

OFFICE  
AJV-A430

DATE  
08/10/2023

TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUNV
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	405120.0795N
LTP/FTP LONGITUDE	0775016.6085W
LTP/FTP ELLIPSOIDAL HEIGHT	+03300
FPAP LATITUDE	405026.1105N
FPAP LONGITUDE	0775150.0610W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8CFC4F02

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03633
FPAP ORTHOMETRIC HEIGHT	+03633

