

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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> ILS OR LOC RWY 24	<u>ORIGINAL/AMENDMENT</u> 10	<u>CITY</u> STATE COLLEGE	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 1231	<u>TDZE</u> 1218	<u>SUPERSEDED</u> ILS OR LOC RWY 24	<u>ORIGINAL/AMENDMENT</u> 9E	<u>DATED</u> 04/20/2023	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-UNV	<u>COORDINATES OF FACILITIES</u> 405034.04N / 0775136.42W	<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/I-UNV 14.01 DME					086.59	17.66	4900
HUXET/I-UNV 14.01 DME	IF/IAF	GEKDE/I-UNV 8.03 DME					243.76	5.98	3400

MISSED APPROACH

MAP:

ILS: DA
LOC: 6.76 NM AFTER GEKDE/I-UNV 8.03 DME OR AT I-UNV 1.27 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600, THEN CLIMBING LEFT TURN TO 4100 ON HEADING 112, AND PSB VORTAC R-142 TO RASHE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2400, THEN CLIMBING RIGHT TURN TO 4000 DIRECT HUXET AND HOLD.

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE HUXET, RT, 243.76 INBOUND, 4900 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
- FAC: 243.76 FAF: GEKDE/I-UNV 8.03 DME DIST FAF TO MAP: 6.76 DIST FAF TO THLD: 6.76
- MIN ALT: HUXET/I-UNV 14.01 DME 4900, GEKDE/I-UNV 8.03 DME 3400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 933
- MIN GS INCPT: 3400 GS ALT AT PFAF: GEKDE/I-UNV 8.03 DME 3400 OM: MM: IM:
- GS ANGLE: 3.00 34:1: 20:1: TCH: 55.1
- MSA FROM: PSB VORTAC 4300

EQUIPMENT REQUIREMENTS NOTE:

DME REQUIRED.



NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 6-24.

CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING CLEARFIELD ALTIMETER SETTING).

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: RIDGE SOARING GLIDERPORT

CHART IN PLANVIEW: BELLEFONTE AIRPORT

HOLD NW, LT, 142.01 INBOUND.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE HUXET/I-UNV 14.01 DME, RT, 243.91 INBOUND.

CHART FAS OBST: 1336 TREE (42-091938) 405202N/0774916W.

CHART VDP AT 2.50 DME.

DISTANCE VDP TO THLD 1.23 NM.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 1400-3, 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
S-ILS 24*	1418	2400	200	1418	2400	200	1418	2400	200	1418	2400	200			
S-LOC 24	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 ARRIVAL AREA (TAA): REPLACED PROCEDURE TURN (PT) WITH HOLD-IN-LIEU OF PROCEDURE TURN (HILPT) AS COURSE REVERSAL METHOD - HILPT ESTABLISHED FOR TRAFFIC DECONFLICTION.
3. TERMINAL ROUTES: REMOVED RASHE IAF FROM TERMINAL ROUTES - PROCEDURE MODIFIED DUE TO PENUE LOM BEING DECOMMISSIONED.
4. TERMINAL ROUTES: PSB VORTAC TO HUXET: INCREASE MINIMUM ALTITUDE FROM 4800 TO 4900 - TO MITIGATE OBSTACLE, 2855 FT TOWER.
5. TERMINAL ROUTES: CHANGED IF FROM PENUE LOM TO HUXET - DUE TO PENUE LOM BEING DECOMMISSIONED.
6. TERMINAL ROUTES: REMOVED PENUE LOM AND WOREX FROM FAS - LOM BEING DECOMMISSIONED AND PT REMOVED FROM APPROACH; PENUE LOM REPLACED BY GEKDE AS FAF.
7. MAP: REVISED LOC MAP LOCATION FROM "5.47 NM AFTER PENUE LOM" TO "6.76 NM AFTER GEKDE/I-UNV 8.03 DME OR AT I-UNV 1.27 DME" - DUE TO NEW FAF (GEKDE) LOCATION; FAF MOVED 1.29 NM NE.
8. MISSED APPROACH INSTRUCTIONS: CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2600 THEN CLIMBING RIGHT TURN TO 4000 DIRECT PSB VORTAC AND HOLD" TO "CLIMB TO 2600, THEN CLIMBING LEFT TURN TO 4100 ON HEADING 112, AND PSB VORTAC R-143 TO RASHE AND HOLD" - PER ATC REQUEST TO DECONFLICT TRAFFIC.
9. MISSED APPROACH INSTRUCTIONS: CHANGED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM "OR AS DIRECTED BY ATC. CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 4000 DIRECT PENUE LOM AND HOLD (ADF REQUIRED)" TO "CLIMB TO 2400, THEN CLIMBING RIGHT TURN TO 4000 DIRECT HUXET AND HOLD" - PROCEDURE MODIFIED DUE TO PENUE LOM BEING DECOMMISSIONED.
10. PROFILE: LINE 1: DELETED PT INFORMATION - IAW 8260.19I, 8-6-7 (A)(2), NOT REQUIRED; PT REPLACED BY HILPT.
11. PROFILE: LINE 2: ADDED HILPT INFORMATION - IAW 8260.19I, 8-6-7 (B)(2), HOLD- IN-LIEU ESTABLISHED.
12. PROFILE: LINE 3: CHANGED FAF FROM "FAF: PENUE LOM/PFAF: WOREX" TO "GEKDE/I-UNV 8.03 DME;" UPDATED DIST TO FAF AND DIST TO THLD FROM 5.47 TO 6.76 - IAW 8260.19I, 8-6-7 (C)(1) (A); NEW FAF MOVED 1.29 NM NE.
13. PROFILE: LINE 4: CHANGED MINIMUM ALTITUDE FROM "PENUE LOM 3100*" TO "HUXET/14.01 DME 4900, GEKDE/I-UNV 8.03 DME 3400" - IAW 8260.19I, 8-6-7 (D).
14. PROFILE: LINE 5: DELETED "DIST TO THLD FROM OM: 5.47 NM;" UPDATED GS ANT FROM 935 TO 933 - IAW 8260.19I, 8-6-7 (E).
15. PROFILE: LINE 6: CHANGED GS ALT FROM WOREX 3400 TO GEKDE/I-UNV 8.03 DME 3400 - IAW 8260.19I, 8-6-7 (F)(3); NEW FAF DEFINED BY COLLOCATED DME SOURCE AT THE AIRPORT.
16. PROFILE LINE 8: CHANGED MSA FROM UN LOM 4100 TO PSB VORTAC 4300 - IAW 8260.19I, 8-6-7 (H)(1); MSA CENTERPOINT CHANGED DUE TO PENUE LOM BEING DECOMMISSIONED; ALTITUDE INCREASED DUE TO HIGHER OBSTACLE, 3231 FT WINDMILL.
17. EQUIPMENT REQUIREMENTS NOTE: DELETED "ADF REQUIRED FOR PROCEDURE ENTRY" AND ADDED "DME REQUIRED" - 8260.19I, 8-6-8 (A)(2)(A).
18. NOTES: REMOVED *LOC ONLY - NOT REQUIRED IAW 8260.19I 1-1-5 (F)(12).
19. NOTES: DELETED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RASHE INT ON V106 SOUTHWEST BOUND" - NOT REQUIRED, RASHE INT REMOVED AS IAF.
20. 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).
21. NOTES: ADDED * 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).
22. ADDITIONAL FLIGHT DATA: DELETED CHART (CFBGX) AT 405816.17N/0773813.31W - NOT REQUIRED; PT REPLACED BY HILPT AS COURSE REVERSAL METHOD.
23. ADDITIONAL FLIGHT DATA: CHANGED MISSED APPROACH HOLD INFORMATION FROM "HOLD E, RT, 256.00 INBOUND" TO "HOLD NW, LT, 142.01 INBOUND" - NEW MISSED APPROACH HOLD FIX RASHE INT.
24. ADDITIONAL FLIGHT DATA: CHANGED ALTERNATE MISSED APPROACH HOLD INFORMATION FROM "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE PENUE LOM, LT, 243.76 INBOUND" TO "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE HUXET, RT, 243.76 INBOUND" - NEW ALTERNATE MISSED APPROACH FIX.
25. ADDITIONAL FLIGHT DATA: DELETED "CHART IN PLANVIEW: PENUE LOM" - NOT REQUIRED; LOM IS BEING DECOMMISSIONED.
26. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 2.50 DME AND DISTANCE VDP TO THLD 1.23 NM" - IAW 8260.19I, 8-6-10 (M).
27. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - IAW REVISED CIRCLING MANEUVERING AREA CRITERIA IMPLEMENTATION PLAN MEMO 279 DATED MAY 13, 2021.
28. MINIMUMS: CHANGED ILS ALL CATS VISIBILITY UNIT OF MEASUREMENT FROM 1/2 SM TO RVR 2400 FT - IAW 8260.3E, 3-3-2; RVR TD SENSOR INSTALLED ON RWY 24.
29. MINIMUMS: CHANGED LOC CATS A/B VISIBILITY UNIT OF MEASUREMENT FROM 1/2 SM TO RVR 2400 FT; CATS C/D FROM 5/8 SM TO RVR 4000 FT - IAW 8260.3E, 3-3-2; RVR TD SENSOR INSTALLED ON RWY 24.
30. MINIMUMS: INCREASED LOC ALL CATS MDA/HAT FROM 1600/382 TO 1640/422 - DUE INCREASE IN FAF ALTITUDE FROM 3100 TO 3400; FAF MOVED 1.29 NM NE.
31. MINIMUMS: REDUCED CIRCLING CAT D MDA/HAA FROM 2580/1349 TO 2560/1329 - DUE TO REVISED OBSTACLE EVALUATION, 2260 FT AAO.

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
MICHAEL MCCARTNEY

Digitally signed by
MICHAEL A MCCARTNEY
May 12, 2023

OFFICE
AJV-A431

DATE
03/28/2023

APPROVED BY
JOHNNIE BAKER

Digitally signed by
ERIC N SUSKI
May 12, 2023

OFFICE
AJV-A430

DATE

TITLE
MANAGER

