

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</u> CLEARFIELD-LAWRENCE	<u>AIRPORT ID</u> KFIG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> CLEARFIELD	<u>STATE</u> PA	
<u>AIRPORT ELEVATION</u> 1516	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 12/11/2014	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
PSB VORTAC	IAF	EBUME	NOPT	TF	FB	1.00	308.29	8.02	4000
NUXUW	IAF	EBUME	NOPT	TF	FB	1.00	344.13	7.50	4000
ODLOE	IAF	EBUME	NOPT	TF	FB	1.00	254.18	7.50	4000
EBUME	IF/IAF	EZMEC		TF	FB	1.00	299.08	7.00	3300
EZMEC	FAF	ZURTO/1.90 NM TO UYUHO		TF	FB	0.30	298.99	2.56	
ZURTO/1.90 NM TO UYUHO		UYUHO	MAP	TF	FO	0.30	298.99	1.90	
UYUHO	MAP	2200 MSL		CA			298.99		2200
2200 MSL		EBUME		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: UYUHO

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4000 DIRECT EBUME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. HOLD SE EBUME, RT, 299.08 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 298.99 FAF: EZMEC DIST FAF TO MAP: 4.46 DIST FAF TO THLD: 5.46

4. MIN ALT: EBUME 4000, EZMEC 3300, ZURTO/1.90 NM TO UYUHO 2480*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 492 HAT: 1.40 GS ANT:

6. MIN GP INCPT: 3300 GP ALT AT FAF : EZMEC 3300 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 50.0

8. MSA FROM: UYUHO 4200

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 8C OR ABOVE 54C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PSB VORTAC AIRWAY RADIALS 282 CW 349.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.82 NM TO RW30*
*LNAV ONLY
WAAS CHANNEL #58227
REFERENCE PATH ID: W30A
CHART FAS OBST: 2032 TOWER 410111N/0782123W.
LTP HAE: 428.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4

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	2008	1 3/8	492	2008	1 3/8	492	2008	1 3/8	492	2008	1 3/8	492			
LNAV/VNAV DA	2029	1 3/8	513	2029	1 3/8	513	2029	1 3/8	513	2029	1 3/8	513			
LNAV MDA	2120	1 1/4	604	2120	1 1/4	604	2120	1 3/4	604	2120	1 3/4	604			
CIRCLING	2180	1 1/4	664	2180	1 1/4	664	2180	1 3/4	664	2340	2 3/4	824			



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
CLEARFIELD-LAWRENCE	KFIG	RNAV (GPS) RWY 30	1B	CLEARFIELD	PA

CHANGES - REASONS

1. LPV CAT A/B/C/D DA/HAT/VIS CHANGED FROM "1841/325/1" TO "2008/492/1 3/8" - MISSED APPROACH PENETRATION OBSTACLE CHANGED FROM "TREE 410254.00N/0782418.00W, 1626FT" TO "TOWER 410405.00N/0783107.00W, 2665 FT".
2. LNAV/VNAV CAT A/B/C/D DA/HAT/VIS CHANGED FROM "1886/370/ 1 1/4" TO "2029/513/1 3/8" - MISSED APPROACH PENETRATION OBSTACLE CHANGED FROM "TREE 410254.00N/0782418.00W, 1626FT" TO "TOWER 410405.00N/0783107.00W, 2665 FT".
3. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DUBOIS REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 96 FT, INCREASE ALL MDA 100 FT, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, INCREASE LNAV CATS C/D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE AND CAT D VISIBILITY 1/4 MILE - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
4. REMOVED "CHART NOTE: VDP NA WITH DUBOIS REGIONAL ALTIMETER SETTING" AND BARO-VNAV NA WHEN USING DUBOIS RGNL ALTIMETER SETTING - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
5. TERMINAL ROUTE: FROM "ZURTO/1.90 NM TO UYUHO" TO UYUHO COURSE CHANGED FROM 298.95 TO 298.99 - COURSE RECALCULATION UPDATE.
6. TERMINAL ROUTE: FROM UYUHO TO "2200 MSL". CHANGED FROM 298.95 TO 298.99 - COURSE RECALCULATION UPDATE
7. ADDITIONAL FLIGHT DATA: REMOVED "TOWER 410221N/0782451W"- 7:1 PENETRATION NO LONGER EXIST.
8. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 34C (93F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 8C OR ABOVE 54C"- IAW 8260.19H PARA 8-6-9(S), TEMPERATURE DATA RECALCULATED.
9. NOTE DELETED: DME/DME RNP-0.3 NA - PER MEMO 257.
10. ADDED PBN REQUIREMENTS NOTE: RNP APCH - PER MEMO 257.
11. CRC REMINDER CHANGED FROM 913DC840 TO 3338E5D9 - FPAP COORDINATE CHANGED FROM "410318.5600N/0782618.2100W" TO "410318.5640N/0782618.2090W". LENGTH OFFSET CHANGED FROM 1376 TO 1384.
12. LINE 7 CHANGED FROM "34:1 IS CLEAR" TO "34:1 IS CLEAR, 20:1 IS CLEAR" - IAW 8260.19H PARA 8-6-7G(3).
13. DELETED NOTE "RADAR REQUIRED FOR PROCEDURE ENTRY AT NUXUW AND AT ODLOE" - RADAR NOT REQUIRED ON GPS PROCEDURES.
14. CHANGED PROCEDURE ENTRY RESTRICTION RADIALS FOR ARRIVAL AT PSB VORTAC FROM "245 CW 349" TO "282 CW 349" - TURNS EXCEED 90 DEGREES.
15. VDP CHANGED FROM 1.83 TO 1.82 - NEW EVALUATION.



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<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> ZNY, KFIG AIRPORT MANAGER					
<u>FLIGHT CHECKED BY</u>		<u>OFFICE</u>	<u>DATE</u>		
<u>DEVELOPED BY</u> KWEKU DONKOR		<u>OFFICE</u> AJV-5433	<u>DATE</u> 07/09/2018		
<u>APPROVED BY</u> PATRICK MULQUEEN		<u>OFFICE</u> AJV-5430	<u>DATE</u> 07/09/2018	<u>TITLE</u> MANAGER	



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFIG
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	410249.6805N
LTP/FTP LONGITUDE	0782426.7925W
LTP/FTP ELLIPSOIDAL HEIGHT	+04281
FPAP LATITUDE	410318.5640N
FPAP LONGITUDE	0782618.2090W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1384
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3338E5D9
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04606
FPAP ORTHOMETRIC HEIGHT	+04606



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CLEARFIELD-LAWRENCE	KFIG	RNAV (GPS) RWY 30	1B	CLEARFIELD	PA	1516	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM PSB VORTAC TO EBUME

RNP DISTANCE PAT MAP HAT HMAS
8.02

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (42-002274)	405514.00N/0775827.00W	2855	500	125	5E	1000				AT145	4000
2.TERRAIN	405457.00N/0775936.00W	2441 (2400)								AS1500	3900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

INITIAL

FROM NUXUW TO EBUME

RNP DISTANCE PAT MAP HAT HMAS
7.50

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.AAO	405103.50N/0780501.70W	2487	250	3	4A	1000				AT513	4000
4.TERRAIN	405524.00N/0780351.00W	2182 (2200)								AS1500	3700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



HOLD-IN-LIEU OF PT

FROM

EBUME

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
		P-5										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
1.TOWER (42-002274)	405514.00N/0775827.00W	2855	500	125	5E	1000					3900	
12.TERRAIN	405510.00N/0775828.00W	2460 (2500)								AS1500	4000	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT
REMARKS:

MISSED APPROACH : LPV

FROM

DA

TO

EBUME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
1713											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
13.TOWER (42-002033)	410405.00N/0783107.00W	2665	50	20	2C		ASC				4000
14.TOWER (42-002063)	410426.50N/0783301.00W	2723	500	125	5E	1000				AC125	3900
15.TERRAIN	410412.00N/0783309.00W	2389 (2400)								AS1500	3900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT
REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
16.TOWER (42-000037)	410228.00N/0782653.00W	1.30	664	1744	500	125	5E	300		AC125	2180
CATEGORY B											
16.TOWER (42-000037)	410228.00N/0782653.00W	1.50	664	1744	500	125	5E	300		AC125	2180
CATEGORY C											
16.TOWER (42-000037)	410228.00N/0782653.00W	1.70	664	1744	500	125	5E	300		AC125	2180
CATEGORY D											
17.STACK (42-000073)	410402.00N/0782155.00W	2.30	824	1914	500	125	5E	300		AC125	2340

CIRCLING REMARKS:

MSA

CENTER	RADIUS
UYUHO	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (42-002892) (42-002892)	410720.24N/0782628.93W	343	05.4	3160	500	125	5E	1000			4200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION 100 FT TREE PER FPT.

MAP MOVED TO 1NM PRIOR TO RUNWAY TO AVOID MA PENETRATIONS.

25D BANK ANGLE USED FOR MA CONSTRUCTION.

TAA NOT DEVELOPED PER FPT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZNY ARTCC, ZOB ARTCC



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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	4.20
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	288.99
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1919
DISTANCE FROM	THLD	TO 1500FT POINT	11.06
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	298.08
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1841

THRESHOLD
COORDINATES
(IF STR-IN)410249.68N/0782426.79W

ARP COORDINATES410256.88N/0782454.57W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 30 DISTANCE 0.37 NM

FAF
COORDINATES410103.24N/0781737.36W

FIX NAME
COORDINATES

REMARKS
APPROACH/DRAWING ATTACHED.



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CLEARFIELD-LAWRENCE	KFIG	RNAV (GPS) RWY 30	1B	CLEARFIELD	PA	1516	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
KWEKU DONKOR	AJV-5433	07/09/2018	AERONAUTICAL INFORMATION SPECIALIST

