

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> OLD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> OLD TOWN	<u>STATE</u> ME
<u>AIRPORT ELEVATION</u> 127	<u>TDZE</u> 125	<u>SUPERSEDED</u> RNAV (GPS) RWY 12	<u>DATED</u> 05/19/2022	<u>MAG VAR</u> 15W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2025
		<u>ACTUAL EFFECTIVE DATE</u> 28 NOVEMBER 2024	<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
NIELD		ZIMFA		TF	FO	1.00	258.42	17.18	3000
MLT VOR/DME		ZIMFA		TF	FO	1.00	221.01	40.86	3000
AALYS	IAF	ZIMFA	NOPT	TF	FB	1.00	032.49	18.93	3000
ZIMFA	IF/IAF	UNAVY		TF	FB	1.00	111.35	6.24	1900
UNAVY	FAF	JUKSA/1.81 NM TO RW12		TF	FB	0.30	111.45	2.81	
JUKSA/1.81 NM TO RW12		RW12	MAP	TF	FO	0.30	111.45	1.81	
RW12	MAP	449 MSL		CA			111.45		
449 MSL		SAAWA		DF	FB	1.00			
SAAWA		NASHU		TF	FB	1.00	025.00	6.00	
NASHU		NIELD		TF	FO	1.00	350.98	3.97	3100

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT SAAWA AND ON TRACK 025.00 TO NASHU AND ON TRACK 350.98 TO NIELD AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD W ZIMFA, RT, 111.35 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 111.45	FAF: UNAVY		DIST FAF TO MAP: 4.62	DIST FAF TO THLD: 4.62	
4. MIN ALT: ZIMFA 3000, UNAVY 1900, JUKSA/1.81 NM TO RW12 760					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	324 HAT: 0.71	GS ANT:
6. MIN GP INCPT: 1900	GP ALT AT PFAF: UNAVY 1900			OM:	MM:
7. GP ANGLE: 3.50	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 60.0		IM:
8. MSA FROM: RW12 3100					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: CIRCLING NA TO RWYS 17W AND 35W.

CHART NOTE: CIRCLING RWY 4 NA AT NIGHT.

CHART NOTE: USE BGR ALTIMETER SETTING; WHEN NOT RECEIVED, USE BHB ALTIMETER SETTING AND INCREASE LPV DA TO 497 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MLT VOR/DME AIRWAY RADIALS 219 CW 284.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AALYS ON T295 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIELD ON T295 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

CHART OLD TOWN SEAPLANE BASE IN PLANVIEW

CHART BGR ASOS

CHART DEEPWOODS MOA

HOLD NE, RT, 225.00 INBOUND.

CHART FAS OBST: 270 TREE 445743N/0684140W.

WAAS CHANNEL # 42647

REFERENCE PATH ID: W12A

CHART CIRCLING ICON.

LTP HAE: 13.4 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☒

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	449	1	324	449	1	324	449	1	324		NA				
LNAV MDA	560	1	435	560	1	435	560	1 1/4	435		NA				
CIRCLING	640	1	513	700	1	573	760	1 3/4	633		NA				



CHANGES - REASONS

1. REMOVED TAA AND ALL ASSOCIATED DATA - PER FPT.
2. TERMINAL ROUTES: REMOVED IAF VOWPE-ZIMFA, IAF YISUY-ZIMFA AND ALL ASSOCIATED DATA - PER FPT.
3. TERMINAL ROUTES: ADDED FEEDER: NIELD-ZIMFA, MLT VOR/DME-ZIMFA AND INITIAL AALYS-ZIMFA - PER FPT.
4. TERMINAL ROUTES: CHANGED INTERMEDIATE: IF/IAF ZIMFA-UNAVY DISTANCE FROM 6.10 TO 6.24, ALTITUDE FROM 1700 TO 1900 - PER FPT, FAF UNAVY MOVED 0.14 NM SOUTHEAST.
5. TERMINAL ROUTES: CHANGED FINAL: FAF UNAVY-JUKSA DISTANCE FROM 2.86 TO 2.81 AND JUKSA-RW12 DISTANCE FROM 1.90 TO 1.81 - PER FPT, FAF UNAVY MOVED 0.14 NM SOUTHEAST, STEPDOWN JUKSA MOVED 552 FT SOUTHEAST.
6. TERMINAL ROUTES: CHANGED MAP CA: FROM '527 MSL' TO '449 MSL' - IAW 8260.58C 3-5-2.B, CA IS LPV DA, LPV ADDED PER FPT.
7. TERMINAL ROUTES: REDESIGNED MAP SEGMENTS: REMOVED DF TIGSE; ADDED DF SAAWA, TF NASHU AND TF NIELD; CHANGED ALTITUDE FROM 3000 TO 3100 - PER FPT.
8. MISSED APPROACH: ADDED MAP: LPV DA - LPV ADDED PER FPT.
9. MISSED APPROACH INSTRUCTION: CHANGED FROM 'CLIMB TO 3000 DIRECT TIGSE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000' TO 'CLIMB TO 3100 DIRECT SAAWA AND ON TRACK 025.00 TO NASHU AND ON TRACK 350.98 TO NIELD AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100' - PER FPT REDESIGNED MAP SEGMENTS.
10. PROFILE LINE 3: CHANGED DISTANCE FAF TO MAP/THLD: FROM 4.76 TO 4.62 - PER FPT, FAF UNAVY MOVED 0.14 NM SOUTHEAST, STEPDOWN JUKSA MOVED 552 FT SOUTHEAST.
11. PROFILE LINE 4: CHANGED MIN ALT FROM UNAVY 1700 TO UNAVY 1900 AND FROM JUKSA/1.90 NM TO JUKSA/1.81 - PER FPT, STEPDOWN JUKSA MOVED 552 FT SOUTHEAST, UPDATED OBSTACLE EVALUATION.
12. PROFILE LINE 5: ADDED '324 HAT: 0.71' - PER FPT ADDED LPV MIN.
13. PROFILE LINE 6: ADDED 'MIN GP INCPT: 1900', 'GP ALT AT PFAF: UNAVY 1900' - PER FPT REQUEST TO ADD LPV.
14. PROFILE LINE 7: CHANGED FROM 20:1 'IS NOT CLEAR' TO 'IS CLEAR' - NO STRAIGHT-IN 20:1 PENETRATIONS IAW 8260.19J PARA 8-6-7.G(3).
15. PROFILE LINE 7: ADDED 'GP ANGLE: 3.50' AND 'TCH: 60' – ADDED LPV LINES OF MINIMA PER FPT, REMOVED VISUAL SEGMENT OBSTACLES NOTE, IAW 8260.19J 8-6-7.G(1),(2).
16. ADDED MSA FROM: 'RW12 3100' - PER FPT.
17. NOTES: REMOVED CHART NOTE: PROCEDURE NA AT NIGHT - RWY 12 HAS NO 20:1 PENETRATIONS, PER NIGHTEVAL SAT FC AND ACTIVE NOTAM TO DISREGARD PROC NA AT NIGHT.
18. NOTES: ADDED CHART NOTE: CIRCLING RWY 4 NA AT NIGHT - RWY 4 HAS UNLIT 20:1 PENETRATIONS.
19. NOTES: ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MLT VOR/DME AIRWAY RADIALS 219 CW 284 - TURN MAGNITUDE EXCEEDS 90 DEGREES IAW 8260.J 8-2-5.E(2).
20. NOTES: ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AALYS ON T295 SOUTHWEST BOUND - TURN EXCEEDS 90 DEGREES.
21. NOTES: ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIELD ON T295 NORTHEAST BOUND - TURN EXCEEDS 90 DEGREES.
22. NOTES: UPDATED CHART NOTE: FROM 'RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED' TO 'RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED' - 8260.19J 8-6-12.K(2)
23. ADDITIONAL FLIGHT DATA: UPDATED FROM 'CHART BANGOR INTL ASOS' TO 'CHART BGR ASOS' - IAW 8260.19J 8-2-4.B(3).
24. ADDITIONAL FLIGHT DATA: REMOVED CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES - ADDED LPV MINIMUMS PER FPT, NO VDA WITH LPV.
25. ADDITIONAL FLIGHT DATA: ADDED 'WAAS CHANNEL # 42647', 'REFERENCE PATH ID: W12A', AND 'LTP HAE: 13.4 M' - NEW FAS DATA FOR LPV IAW 8260.19J 8-6-11.J.
26. CHANGED ALTIMETER CHART NOTE: FROM 'USE BANGOR INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE BAR HARBOR ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LNAV CAT C 1/8 SM AND CIRCLING CAT C VISIBILITY 1/4 SM' TO 'USE BGR ALTIMETER SETTING; WHEN NOT RECEIVED, USE BHB ALTIMETER SETTING AND INCREASE LPV DA TO 497 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM' - PER FPT ADDED LPV MINS.
27. ADDITIONAL FLIGHT DATA: CHANGED HOLDING FROM 'HOLD E, RT, 291.72 INBOUND' TO 'HOLD NE, RT, 225.00 INBOUND' - PER FPT REDESIGNED MAP SEGMENTS.
28. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM '302 TREE (23-048838) 445649N/0684408W' TO '270 TREE 445743N/0684140W' - NEW OBSTACLE EVALUATION.
29. CHANGED MINIMUMS: ADDED LPV DA/HAT 449/324 AND VISIBILITY 1 CATS A/B/C - PER FPT REQUEST TO ADD LPV MINIMUMS.

09/09/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/01/24.
1. NOTES: REMOVED 'CHART NOTE: PROCEDURE NA WHEN DEEPWOODS MOA ACTIVE' - CORRECTIONS TO PROCEDURE.

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER: BGR ATCT, ZBW, AMGR

FLIGHT CHECKED BY

JEREMY C LEIGHTON

Digitally signed by
ROBERT G HAMILTON
Oct 10, 2024

OFFICE

FPO

DATE

10/04/2024

DEVELOPED BY

RAFAEL A MARTINEZ

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RAFAEL A MARTINEZ
Sep 09, 2024

OFFICE

AJV-A433

DATE

09/09/2024

APPROVED BY

BEV L BORDY

Digitally signed by
ROBERT G HAMILTON
Oct 10, 2024

OFFICE

AJV-A430

DATE

TITLE
MANAGER

QUALITY
50
CHECKED

AIRPORT ID
OLD

PROCEDURE NAME
RNAV (GPS) RWY 12

ORIGINAL/AMENDMENT
2

CITY
OLD TOWN

STATE
ME

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOLD
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	445713.1620N
LTP/FTP LONGITUDE	0684057.9685W
LTP/FTP ELLIPSOIDAL HEIGHT	+00134
FPAP LATITUDE	445703.0200N
FPAP LONGITUDE	0683853.3185W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	4D8482FE
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00380
FPAP ORTHOMETRIC HEIGHT	+00380

