

**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> HNZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> OXFORD	<u>STATE</u> NC
<u>AIRPORT ELEVATION</u> 526	<u>TDZE</u> 523	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>DATED</u> 03/05/2015	<u>MAG VAR</u> 9W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2015
				<u>CANCEL/SUSPEND</u>

**TAA**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 150/30 CW 330/30	NOPT	VEKUC	IF/IAF	3000
2. 330/30 CW 060/30		TMAAC	IAF	3000
3. 060/30 CW 150/30		ZEPLA	IAF	3000

**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>
TMAAC	IAF	VEKUC	NOPT	TF	FB	1.00	330.37	6.00	3000
ZEPLA	IAF	VEKUC	NOPT	TF	FB	1.00	150.27	6.00	3000
VEKUC	IF/IAF	OYISE		TF	FB	1.00	240.32	5.00	2500
OYISE	FAF	XOJZY/2.00 NM TO RW24		TF	FB	0.30	240.27	4.14	
XOJZY/2.00 NM TO RW24		RW24	MAP	TF	FO	0.30	240.27	2.00	
RW24	MAP	773 MSL		CA			240.27		
773 MSL		KOVPE		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW24

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT KOVPE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**                      (IAF)
- 2. HOLD NE VEKUC, RT, 240.32 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 240.27                      **FAF:** OYISE                      **DIST FAF TO MAP:** 6.14                      **DIST FAF TO THLD:** 6.14
- 4. **MIN ALT:** VEKUC 3000, OYISE 2500, XOJZY/2.00 NM TO RW24 1180
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **250 HAT:** 0.71                      **GS ANT:**
- 6. **MIN GP INCPT:** 2500                      **GP ALT AT PFAF:** OYISE 2500                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:** 3.00                      **34:1:** IS NOT CLEAR                      **20:1:** IS CLEAR                      **TCH:** 40.0
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ROXBORO ALTIMETER SETTING.  
 CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROXBORO ALTIMETER SETTING AND INCREASE LPV DA TO 837 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 877 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.  
 HOLD SW, RT, 060.05 INBOUND.  
 CHART FAS OBST: 632 TREE 362129N/0783055W.  
 CHART VDP AT 1.11 NM TO RW24.  
 WAAS CHANNEL # 63009  
 REFERENCE PATH ID: W24A  
 LTP HAE: 121.9 M

**MINIMUMS:**

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

**ALTERNATE:** NA     STANDARD - CAT D 800-2 1/2, 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	773	3/4	250	773	3/4	250	773	3/4	250	773	3/4	250				
LNAV/VNAV DA	813	7/8	290	813	7/8	290	813	7/8	290	813	7/8	290				
LNAV MDA	900	1	377	900	1	377	900	1	377	900	1	377				
CIRCLING	960	1	434	980	1	454	1100	1 1/2	574	1280	2 1/2	754				



**CHANGES - REASONS**

1. PROFILE LINE 5 250 HAT: 0.66 CHANGED TO 0.71.- UPDATED EVALUATION.
2. PROFILE LINE 7 ADDED 20:1 IS CLEAR.- FIELD WAS NOT POPULATED IN PREVIOUS AMDT.
3. CHART VDP AT 0.90 NM TO RW24 CHANGED TO 1.11 NM.- UPDATED DATA AND EVALUATION.
4. CHANGED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 54°C (130°F) TO -16°C OR ABOVE 54°C.- UPDATED WORDING, 8260.19I.
5. DELETED PROFILE NOTE \*LNAV ONLY.- NO LONGER REQUIRED PER 8260.19I, 1-1-5.F(12).
6. DELETED ASTERISK FROM PROFILE LINE 4 AND VDP NOTE.- NO LONGER REQUIRED PER 8260.19I, 1-1-5.F(12).
7. DELETED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).- UPDATED AIRNAV VGSI DATA.
8. DELETED CHART NOTE: DME/DME RNP.0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH-GPS.- 8260.19I.
9. FAS DATA CHANGES: LTP/FTP LAT/LONG CHANGED FROM 362157.1470N/0783121.1720W TO 362157.1465N/0783121.1710W; FPAP LAT/LONG CHANGED FROM 36211.2500N/0783247.1400W TO 362101.2365N/0783247.1370W.- UPDATED DATA AND EVALUATION.
10. CRC REMAINDER CHANGED FROM 89A364AC TO 35C6A121.- UPDATED LTP/FTP AND FPAP LAT/ LONGS.
11. VISIBILITY: LPV ALL CATS CHANGED FROM 7/8 TO 3/4, AND LNAV/VNAV CHANGED FROM 1 TO 7/8.- 8260.3E TABLE 3-3-6.
12. CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROXBORO ALTIMETER SETTING AND INCREASE ALL DA 64 FEET, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE, AND LNAV CATS C AND D 3/8 MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROXBORO ALTIMETER SETTING AND INCREASE LPV DA TO 837 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 877 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM."- UPDATED EVALUATION AND 8260.19I FORMAT.
13. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED CHANGED TO RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.- UPDATED 8260.19I FORMAT.

**COORDINATED WITH:**

**A4A**  
 **ALPA**  
 **AOPA**  
 **APA**  
 **HAI**  
 **NBAA**  
 **OTHER:**  
 DC, RDU APP CON, HNZ AMGR

**FLIGHT CHECKED BY**

**OFFICE**

**DATE**

**DEVELOPED BY**

TIA FERONTI

**OFFICE**

AJV-A421

**DATE**

12/04/2023

**APPROVED BY**

DAVID DANNER

**OFFICE**

AJV-A421

**DATE**

**TITLE**

MANAGER



AIRPORT ID  
HNZ

PROCEDURE NAME  
RNAV (GPS) RWY 24

ORIGINAL/AMENDMENT  
1A

CITY  
OXFORD

STATE  
NC

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHNZ
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	362157.1465N
LTP/FTP LONGITUDE	0783121.1710W
LTP/FTP ELLIPSOIDAL HEIGHT	+01219
FPAP LATITUDE	362101.2365N
FPAP LONGITUDE	0783247.1370W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 35C6A121

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01540
FPAP ORTHOMETRIC HEIGHT	+01540



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

<u>AIRPORT ID</u> HNZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>AMDT NO.</u> 1A	<u>CITY</u> OXFORD	<u>STATE</u> NC	<u>AIRPORT ELEVATION</u> 526	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

<b>FROM</b> 150/30 CW 330/30	<b>TO</b> VEKUC
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (37-001057)	361729.20N/0775009.40W	1427	100	20	3C	1000				AT573	3000
TERRAIN	365542.00N/0782948.00W	634 (600)								AS1500	2100

**COMPUTATIONS**

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

**LEFT BASE AREA**

<b>FROM</b> 330/30 CW 060/30	<b>TO</b> TMAAC
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (37-001836)	360611.51N/0781127.55W	1549	50	20	2C	1000				AT451	3000
TERRAIN	361324.00N/0785136.00W	719 (700)								AS1500	2200

**COMPUTATIONS**

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



**AIRPORT ID**  
HNZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 24

**AMDT NO.**  
1A

**CITY**  
OXFORD

**STATE**  
NC

**AIRPORT ELEVATION**  
526

**FACILITY**  
RNAV

**RIGHT BASE AREA**

**FROM**  
060/30 CW 150/30

**TO**  
ZEPLA

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

<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>
TOWER (37-001106)	362051.39N/0783956.72W	1517	20	3	1A	1000				AT483	3000
TERRAIN	362254.00N/0785939.00W	876 (900)								AS1500	2400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL**

**FROM**  
TMAAC

**TO**  
VEKUC

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS  
1.00                      6.00

<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>
TOWER (37-020017)	362507.64N/0781622.66W	915	20	3	1A	1000				AT1085	3000
TERRAIN	362457.00N/0781745.00W	509 (500)								AS1500	2000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
HNZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 24

**AMDT NO.**  
1A

**CITY**  
OXFORD

**STATE**  
NC

**AIRPORT ELEVATION**  
526

**FACILITY**  
RNAV

**INITIAL**

**FROM**  
ZEPLA

**TO**  
VEKUC

**RNP**  
1.00

**DISTANCE**  
6.00

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	362830.00N/0781830.00W	680	164	98	4E	1000				AT1320	3000
TERRAIN	362848.00N/0781842.00W	476 (500)								AS1500	2000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE**

**FROM**  
VEKUC

**TO**  
OYISE

**RNP**  
1.00

**DISTANCE**  
5.00

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (37-001387)	362422.00N/0782032.00W	830	500	50	5D	500				AT1170	2500
TERRAIN	362715.00N/0781927.00W	486 (500)								AS1500	2000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
HNZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 24

**AMDT NO.**  
1A

**CITY**  
OXFORD

**STATE**  
NC

**AIRPORT ELEVATION**  
526

**FACILITY**  
RNAV

**FINAL: LPV**

**FROM**  
OYISE

**TO**  
RW24

**RNP**  
0.30

**DISTANCE**  
6.14

**PAT**

**MAP**  
DA

**HAT**  
250

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
POLE (37-064265)	362204.95N/0783107.66W	535	20	3	1A		34.00:1				773

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV/VNAV**

**FROM**  
OYISE

**TO**  
RW24

**RNP**  
0.30

**DISTANCE**  
6.14

**PAT**

**MAP**  
DA

**HAT**  
290

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE	362129.20N/0783055.30W	632	50	20	2C	161				AC20	813

**COMPUTATIONS**

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

**SEGMENT REMARKS:**





**AIRPORT ID**  
HNZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 24

**AMDT NO.**  
1A

**CITY**  
OXFORD

**STATE**  
NC

**AIRPORT ELEVATION**  
526

**FACILITY**  
RNAV

**FINAL: LNAV**

**FROM**  
OYISE

**TO**  
XOJZY/2.00 NM TO RW24

**RNP**  
0.30

**DISTANCE**  
4.14

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (37-003182)	362552.10N/0782553.50W	686	500	50	5D	250				AC50 XL7 RA64 DG123	1180

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV STEPDOWN**

**FROM**  
XOJZY/2.00 NM TO RW24

**TO**  
RW24

**RNP**  
0.30

**DISTANCE**  
2.00

**PAT**

**MAP**  
RW24

**HAT**  
377

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE	362129.20N/0783055.30W	632	50	20	2C	250					900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



AIRPORT ID  
HNZ

PROCEDURE NAME  
RNAV (GPS) RWY 24

AMDT NO.  
1A

CITY  
OXFORD

STATE  
NC

AIRPORT ELEVATION  
526

FACILITY  
RNAV

**HOLD-IN-LIEU OF PT**

**FROM**  
VEKUC **TO**  
P-5

RNP DISTANCE PAT MAP HAT HMAS  
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>
AAO	362712.00N/0781827.00W	696	164	98	4E	1000				AT1304	3000
TERRAIN	362712.00N/0781827.00W	496 (500)								AS1500	2000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH: LPV**

**FROM**  
DA **TO**  
KOVPE

RNP DISTANCE PAT MAP HAT HMAS  
0.30-1.00 578

<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>
							ASC				3000
TOWER (37-000695)	361317.00N/0784217.00W	927	250	50	4D	1000					2000
TERRAIN	361933.00N/0783803.00W	583 (600)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
HNZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 24

**AMDT NO.**  
1A

**CITY**  
OXFORD

**STATE**  
NC

**AIRPORT ELEVATION**  
526

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV/VNAV**

**FROM**  
DA **TO**  
KOVPE

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
652

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				3000
TOWER (37-000695)	361317.00N/0784217.00W	927	250	50	4D	1000					2000
TERRAIN	361933.00N/0783803.00W	583 (600)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH: LNAV**

**FROM**  
RW24 **TO**  
KOVPE

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
800

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				3000
TOWER (37-000695)	361317.00N/0784217.00W	927	250	50	4D	1000					2000
TERRAIN	361933.00N/0783803.00W	583 (600)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
HNZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 24

**AMDT NO.**  
1A

**CITY**  
OXFORD

**STATE**  
NC

**AIRPORT ELEVATION**  
526

**FACILITY**  
RNAV

**CIRCLING**     ALL CATS     CAT A     CAT B     CAT C     CAT D     CAT E     NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TREE (36-031003)	362230.77N/0783303.33W	1.30	434	649	50	20	2C	300			960
CATEGORY B											
TREE	362059.00N/0782949.00W	1.82	454	669	50	20	2C	300			980
CATEGORY C											
ANTENNA (37-046797)	362341.02N/0783324.71W	2.87	574	791	20	10	1B	300			1100
CATEGORY D											
TOWER (37-002038)	361837.00N/0783004.00W	3.74	754	961	20	10	1B	300			1280

**CIRCLING REMARKS:**

**MSA/ESA**

**CENTER**

**RADIUS**

**REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**



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**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZDC ARTCC, RDU APP CON, RDU FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	HNZ	24	HNZ	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	TDF	24	TDF	22.52	Y	64

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
KHNZ 526, KTDF 609  
RA = 63.4.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW06 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW24 - MIRL (PCL), PAPI-4R	NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	505.1	40.0			3.00	40.9

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

**CRITICAL TEMPERATURES**

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.96C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 962 HIGH TEMP 1269.



**"VISUAL PORTION OF FINAL" PENETRATIONS**

FINAL TYPE	LPV 250, LNAV/VNAV 290, NPA
34:1	
509 NAVAID (37-055434) 362159.1900N/0783118.5000W (0.97)	
<b>PENETRATIONS REMARKS:</b>	

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

<b>PENETRATIONS REMARKS:</b>

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

**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	3.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	231.27
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	5.14
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	231.27
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

**THRESHOLD COORDINATES (IF STR-IN)**

362157.15N/0783121.17W

**ARP COORDINATES**

362140.11N/0783147.38W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 24 DISTANCE 0.45 NM

**FAF COORDINATES**

362548.05N/0782525.44W

**FIX NAME COORDINATES**

**REMARKS**

NO ADDITIONAL AIRSPACE REQUIRED.



AIRPORT ID  
HNZ

PROCEDURE NAME  
RNAV (GPS) RWY 24

AMDT NO.  
1A

CITY  
OXFORD

STATE  
NC

AIRPORT ELEVATION  
526

FACILITY  
RNAV

**PART E: PREPARED BY**

**NAME**

TIA FERONTI

**OFFICE**

AJV-A421

**DATE**

12/04/2023

**TITLE**

AERONAUTICAL INFORMATION SPECIALIST

