

**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>        | <u>PROCEDURE NAME</u>            | <u>ORIGINAL/AMENDMENT</u>    | <u>CITY</u>                    | <u>STATE</u>          |                   |
|--------------------------|----------------------------------|------------------------------|--------------------------------|-----------------------|-------------------|
| OXD                      | RNAV (GPS) RWY 5                 | ORIG-C                       | OXFORD                         | OH                    |                   |
| <u>AIRPORT ELEVATION</u> | <u>TDZE</u>                      | <u>SUPERSEDED</u>            | <u>DATED</u>                   | <u>MAG VAR</u>        | <u>EPOCH YEAR</u> |
| 1041                     | 1041                             | RNAV (GPS) RWY 5             | 10/06/2022                     | 4W                    | 1995              |
| <u>FACILITY</u>          | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> | <u>CANCEL/SUSPEND</u> |                   |
| RNAV                     |                                  |                              | ROUTINE                        |                       |                   |

**TAA**

| <u>FROM</u>         | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>ALTITUDE</u> |
|---------------------|-----------------|-----------|-----------------|-----------------|
| 1. 340/30 CW 119/30 | NOPT            | JOSPU     | IF/IAF          | 3000            |
| 2. 119/30 CW 229/30 |                 | FETAV     | IAF             | 3000            |
| 3. 229/30 CW 340/30 |                 | ZIBUR     | 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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| FETAV                 | IAF             | JOSPU                 | NOPT            | TF              | FB           | 1.00       | 119.34        | 8.70            | 3000            |
| ZIBUR                 | IAF             | JOSPU                 | NOPT            | TF              | FB           | 1.00       | 339.50        | 8.70            | 3000            |
| JOSPU                 | IF/IAF          | WIRGO                 |                 | TF              | FB           | 1.00       | 049.45        | 7.15            | 2600            |
| WIRGO                 | FAF             | UHOB1/1.60 NM TO RW05 |                 | TF              | FB           | 0.30       | 049.52        | 3.00            |                 |
| UHOB1/1.60 NM TO RW05 |                 | RW05                  | MAP             | TF              | FO           | 0.30       | 049.52        | 1.60            |                 |
| RW05                  | MAP             | 1304 MSL              |                 | CA              |              |            | 049.52        |                 |                 |
| 1304 MSL              |                 | JUSAL                 |                 | DF              | FO           | 1.00       |               |                 | 3000            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW05

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT JUSAL AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

|    |                                                                            |                                                   |                 |              |                  |              |                   |      |          |      |         |  |  |     |  |
|----|----------------------------------------------------------------------------|---------------------------------------------------|-----------------|--------------|------------------|--------------|-------------------|------|----------|------|---------|--|--|-----|--|
| 1. | PT                                                                         | SIDE OF COURSE                                    | OUTBOUND        | FT WITHIN    | MILES OF         | (IAF)        |                   |      |          |      |         |  |  |     |  |
| 2. | HOLD SW JOSPU, RT, 049.45 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000. |                                                   |                 |              |                  |              |                   |      |          |      |         |  |  |     |  |
| 3. | FAC:                                                                       | 049.52                                            | FAF:            | WIRGO        | DIST FAF TO MAP: | 4.60         | DIST FAF TO THLD: | 4.60 |          |      |         |  |  |     |  |
| 4. | MIN ALT:                                                                   | JOSPU 3000, WIRGO 2600, UHOB/1.60 NM TO RW05 1600 |                 |              |                  |              |                   |      |          |      |         |  |  |     |  |
| 5. | DIST TO THLD FROM OM:                                                      |                                                   | MM:             |              | IM:              |              | 150 HAT:          |      | 263 HAT: | 0.66 | GS ANT: |  |  |     |  |
| 6. | MIN GP INCPT:                                                              | 2600                                              | GP ALT AT PFAF: | WIRGO 2600   |                  |              | OM:               |      |          |      | MM:     |  |  | IM: |  |
| 7. | GP ANGLE:                                                                  | 3.10                                              | 34:1:           | IS NOT CLEAR | 20:1:            | IS NOT CLEAR | TCH:              | 45.0 |          |      |         |  |  |     |  |
| 8. | MSA FROM:                                                                  |                                                   |                 |              |                  |              |                   |      |          |      |         |  |  |     |  |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
CHART NOTE: BARO-VNAV NA WHEN USING CVG ALTIMETER SETTING.  
CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CVG ALTIMETER SETTING: INCREASE LPV DA TO 1393; INCREASE LNAV/VNAV DA TO 1419; INCREASE ALL MDA 100 FEET AND VISIBILITY LNAV CAT C 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 229.69 INBOUND.  
CHART 1251 TOWER (18-000213) 392555N/0845044W.  
WAAS CHANNEL # 49228  
REFERENCE PATH ID: W05A  
LTP HAE: 283.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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       | 1304   | 1   | 263     | 1304   | 1   | 263     | 1304   | 1     | 263     |        | NA  |         |        |     |         |
| LNAV/VNAV DA | 1330   | 1   | 289     | 1330   | 1   | 289     | 1330   | 1     | 289     |        | NA  |         |        |     |         |
| LNAV MDA     | 1420   | 1   | 379     | 1420   | 1   | 379     | 1420   | 1     | 379     |        | NA  |         |        |     |         |
| CIRCLING     | 1460   | 1   | 419     | 1600   | 1   | 559     | 1600   | 1 1/2 | 559     |        | NA  |         |        |     |         |



CHANGES - REASONS

1. ALL CHANGES FROM P NOTAM RNAV (GPS) RWY 5 ORIG B INCORPORATED.
2. TERMINAL ROUTES UPDATED UHOBI TO RW05 COURSE FROM 049.55 TO 049.52 - UPDATED TARGETS EVALUATION.
3. TERMINAL ROUTES UPDATED JOSPU TO WIRGO RNP FROM 0.50 TO 1.0 AND ADDED RNP 1.0 TO MISSED LINE - IAW 8260.19J 8-6-4.
4. PROFILE LINE 2 ADDED MAX 6000 - 8260.19I 8-6-7 B (2).
5. PROFILE LINE 3 UPDATED FAC FROM 049.53 TO 049.52 - UPDATED ARGETS EVALUATION
6. PROFILE LINE 7 ADDED 20:1 IS NOT CLEAR - NEW 20:1 PENETRATION.
7. ADDITIONAL FLIGHT DATA UPDATED FAS OBST FROM 1252 TOWER TO 1251 - UPDATED OEAAA DATA.
8. FAS DATA BLOCK CRC REMAINDER CHANGED FROM D3C736BF TO 5B884B27 - FPAP LAT LONG UPDATED.
9. FAS DATA BLOCK UPDATED LTP LAT/LONG FROM 392956.1300N/0844719.5830W TO 392956.1310N/0844719.5820W - NEW AIRNAV DATA.
10. FAS DATA BLOCK UPDATED FPAP LAT/LONG FROM 393058.5500N/0844557.3600W TO 393058.5445N/0844557.3580W - NEW AIRNAV DATA.

04/10/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/09/24.

1. REMOVED CHART NOTE: STRAIGHT-IN/CIRCLING RWY 5 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD - OBSTACLE REMOVED.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZID, AMGR, CVG APP CON, CVG ACTC

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

JOSHUA DUGAN

Digitally signed by

JOSHUA L DUGAN

Feb 13, 2025

OFFICE

AJV-A431

DATE

10/09/2024

APPROVED BY

ERIC N SUSKI

OFFICE

AJV-A431

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| DATA FIELD                               | DATA          |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KOXD          |
| RUNWAY                                   | RW05          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W05A          |
| LTP/FTP LATITUDE                         | 392956.1310N  |
| LTP/FTP LONGITUDE                        | 0844719.5820W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +02838        |
| FPAP LATITUDE                            | 393058.5445N  |
| FPAP LONGITUDE                           | 0844557.3580W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00045.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.10         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 1608          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 50.0          |
| CRC REMAINDER                            | 5B884B27      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K5     |
| LTP ORTHOMETRIC HEIGHT  | +03172 |
| FPAP ORTHOMETRIC HEIGHT | +03172 |



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

| <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> |
|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| OXD               | RNAV (GPS) RWY 5      | ORIG-C          | OXFORD      | OH           | 1041                     | RNAV            |

**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

**FROM** 340/30 CW 119/30 **TO** JOSPU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            |            |           | <u>HMAS</u> |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|------------|-----------|-------------|--------------------|----------------|
| <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 (18-001067)  | 391410.00N/0853401.00W | 1400            | 500         | 50          | 5D         | 1000       |            |           |             | AT600              | 3000           |
| TERRAIN            | 393324.00N/0851824.00W | 1109 (1100)     |             |             |            |            |            |           |             | AS1500             | 2600           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**LEFT BASE AREA**

**FROM** 119/30 CW 229/30 **TO** FETAV

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            |            |           | <u>HMAS</u> |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|------------|-----------|-------------|--------------------|----------------|
| <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 (18-000233)  | 395328.70N/0845609.40W | 1582            | 500         | 50          | 5D         | 1000       |            |           |             | AT328              | 3000           |
| TERRAIN            | 395054.00N/0844545.00W | 1228 (1200)     |             |             |            |            |            |           |             | AS1500             | 2700           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



RIGHT BASE AREA

FROM

229/30 CW 340/30

TO

ZIBUR

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| <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 (39-001241)  | 393044.00N/0843809.00W | 1903            | 500         | 50          | 5D        | 1000       |            |             |             |                    | 3000           |
| TERRAIN            | 394048.00N/0844024.00W | 1106 (1100)     |             |             |           |            |            |             |             | AS1500             | 2600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

FETAV

TO

JOSPU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 1.00               | 8.70                   |                 |             |             |           |            |            |             |             |                    |                |
| <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 (18-001171)  | 392315.00N/0850030.10W | 1283            | 20          | 3           | 1A        | 1000       |            |             |             | AT717              | 3000           |
| TERRAIN            | 392215.00N/0850424.00W | 1001 (1000)     |             |             |           |            |            |             |             | AS1500             | 2500           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

ZIBUR

TO

JOSPU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> |            |           | <u>HMAS</u> |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| 1.00               | 8.70                   |                 |             |             |           |            |            |           |             |                    |                |
| <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 (18-000443)  | 391918.00N/0845732.00W | 1375            | 500         | 50          | 5D        | 1000       |            |           |             | AT625              | 3000           |
| TERRAIN            | 391918.00N/0845732.00W | 1026 (1000)     |             |             |           |            |            |           |             | AS1500             | 2500           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

JOSPU (IF/IAF)

TO

WIRGO

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 1.00               | 7.15                   |                 |             |             |           |            |            |             |             |                    |                |
| <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 (18-002560)  | 392029.05N/0845559.29W | 1307            | 50          | 20          | 2C        | 500        |            |             |             | AT793              | 2600           |
| TERRAIN            | 392145.00N/0845454.00W | 1027 (1000)     |             |             |           |            |            |             |             | AS1500             | 2500           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

WIRGO

TO

RW05

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 4.56                   |                 | DA          |             |           |            | 263        |             |             |                    |                |
| <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> |
| TREE (39-033444)   | 392937.46N/0844737.92W | 1108            | 20          | 3           | 1A        |            | 32.9:1     |             |             |                    | 1304           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

WIRGO

TO

RW05

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 4.56                   |                 | DA          |             |           |            | 289        |             |             |                    |                |
| <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                | 392930.00N/0844724.00W | 1150            | 215         | 8           | 4B        | 150        |            |             |             | AC8                | 1330           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

WIRGO

TO

UHOB1/1.60 NM TO RW05

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 3.00                   |                 |             |             |           |            |            |             |             |                    |                |
| <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> |
| AAO                | 392715.00N/0845018.00W | 1231            | 215         | 8           | 4B        | 250        |            |             |             | RA84 DG20          | 1600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

UHOB/1.60 NM TO RW05

TO

RW05

| RNP  | DISTANCE | PAT | MAP  | HAT | HMAS |
|------|----------|-----|------|-----|------|
| 0.30 | 1.60     |     | RW05 | 379 |      |

| OBSTRUCTION | COORDINATES            | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|----------|------|------|----|-----|-----|----|------|-------------|---------|
| AAO         | 392930.00N/0844724.00W | 1150     | 215  | 8    | 4B | 250 |     |    |      |             | 1420    |

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

JOSPU

TO

P-5

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|-----|----------|-----|-----|-----|------|
|     |          | P-5 |     |     |      |

| OBSTRUCTION       | COORDINATES            | ELEV MSL    | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
| TOWER (18-000443) | 391918.00N/0845732.00W | 1375        | 500  | 50   | 5D | 1000 |     |    |      | AT625       | 3000    |
| TERRAIN           | 391518.00N/0850548.00W | 1054 (1100) |      |      |    |      |     |    |      | AS1500      | 2600    |

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

JUSAL

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30-1.00          |                        |                 |             |             |           |            |            |             |             |                    | 1108           |
| <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           |
| AAO                | 393600.00N/0844136.00W | 1309            | 215         | 8           | 4B        | 1000       |            |             |             |                    | 2400           |
| TERRAIN            | 393600.00N/0844136.00W | 1108 (1100)     |             |             |           |            |            |             |             | AS1500             | 2600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

JUSAL

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            |            | 1179        |             |                    |                |
| <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           |
| AAO                | 393600.00N/0844136.00W | 1309            | 215         | 8           | 4B        | 1000       |            |             |             |                    | 2400           |
| TERRAIN            | 393600.00N/0844136.00W | 1108 (1100)     |             |             |           |            |            |             |             | AS1500             | 2600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW05

TO

JUSAL

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            |            |             |             |                    | 1320           |
| <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           |
| AAO                | 393600.00N/0844136.00W | 1309            | 215         | 8           | 4B        | 1000       |            |             |             |                    | 2400           |
| TERRAIN            | 393600.00N/0844136.00W | 1108 (1100)     |             |             |           |            |            |             |             | AS1500             | 2600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

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         |                        |               |            |                 |             |             |           |            |            |                    |                |
| TOWER (39-023835)  | 393025.91N/0844614.15W | 1.30          | 419        | 1159            | 50          | 20          | 2C        | 300        |            |                    | 1460           |
| CATEGORY B         |                        |               |            |                 |             |             |           |            |            |                    |                |
| TOWER (39-023835)  | 393025.91N/0844614.15W | 1.84          | 559        | 1159            | 50          | 20          | 2C        | 300        |            | XP141              | 1600           |
| CATEGORY C         |                        |               |            |                 |             |             |           |            |            |                    |                |
| TOWER (39-020019)  | 392955.16N/0844426.76W | 2.90          | 559        | 1237            | 50          | 20          | 2C        | 300        |            | XP63               | 1600           |

CIRCLING REMARKS:

KEEP CURRENT MINS, KEEP CURRENT MINS

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

CVG APP CON, DAY FSS

|                           |                 |                      |                         |                 |              |                    |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|
| <u>WX SERVICE</u>         | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>WMSCR</u> | <u>ADJUSTMENTS</u> |
| AWOS-3PT                  | OXD             | 24                   | OXD                     | 0.15            | Y            | 0                  |
| <u>BACK-UP WX SERVICE</u> | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>WMSCR</u> | <u>ADJUSTMENTS</u> |
| ASOS                      | CVG             | 24                   | CVG                     | 27.93           | Y            | 89                 |

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KOXD, 1041; KCVG, 865.  
RA= 88.8

| <u>PRIMARY NAVAID</u>                      | <u>MONITOR POINT</u>   | <u>HRS OPERATION</u>       | <u>CAT</u> |
|--------------------------------------------|------------------------|----------------------------|------------|
| <u>APPROACH AND RUNWAY LIGHTING SYSTEM</u> | <u>RUNWAY MARKINGS</u> | <u>RUNWAY VISUAL RANGE</u> |            |
| RW05 - MIRL (PCL), REIL (PCL), PAPI-2L     | NPI-G                  |                            |            |
| RW23 - REIL (PCL), MIRL (PCL), PAPI-2L     | 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> |
| 3.10                    | 1040.7                    | 45.0       |                        |                          | 3.00              | 26.2       |

FINAL APPROACH COURSE AIMING

|                  |                                     |                    |                              |     |
|------------------|-------------------------------------|--------------------|------------------------------|-----|
| RUNWAY THRESHOLD | <input checked="" type="checkbox"/> | FT FROM THRESHOLD  | DISPLACED THRESHOLD DISTANCE | 270 |
| 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> |
| -17C                | +54C                 | -17C       | +12.94C        |

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 858 HIGH TEMP 1180.

"VISUAL PORTION OF FINAL" PENETRATIONS

|                                                          |                                                         |
|----------------------------------------------------------|---------------------------------------------------------|
| FINAL TYPE                                               | LPV, LNAV/VNAV, LNAV                                    |
| 20:1                                                     |                                                         |
| 1069 POLE (39-072800) 392949.1600N/0844723.8000W (1.81)  | 1078 TREE (39-032651) 392947.8300N/0844725.5300W (1.25) |
| FINAL TYPE                                               | LPV, LNAV/VNAV, LNAV                                    |
| 34:1                                                     |                                                         |
| 1107 TREE (39-033448) 392945.7700N/0844741.3600W (14.74) | 1074 TREE (39-032650) 392948.3100N/0844725.5300W (13.1) |



| <u>AIRPORT ID</u><br>OXD                                        | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 5 | <u>AMDT NO.</u><br>ORIG-C | <u>CITY</u><br>OXFORD                                                | <u>STATE</u><br>OH | <u>AIRPORT ELEVATION</u><br>1041 | <u>FACILITY</u><br>RNAV |
|-----------------------------------------------------------------|-------------------------------------------|---------------------------|----------------------------------------------------------------------|--------------------|----------------------------------|-------------------------|
| 1086 TREE (39-033438) 392947.8500N/0844732.7600W (12.23)        |                                           |                           | 1067 BUILDING (39-004000) 392952.3500N/0844728.0400W (10.38)         |                    |                                  |                         |
| 1083 TREE (39-032675) 392948.0800N/0844732.5100W (10.12)        |                                           |                           | 1074 TREE (39-133297) 392948.7200N/0844728.3200W (9.36)              |                    |                                  |                         |
| 1075 TREE (39-033451) 392948.5300N/0844728.9200W (8.97)         |                                           |                           | 1083 TREE (39-032676) 392947.9100N/0844733.2500W (8.55)              |                    |                                  |                         |
| 1073 TREE (39-032670) 392948.5700N/0844728.6400W (7.52)         |                                           |                           | 1084 TREE (39-133174) 392945.3400N/0844731.3900W (7.26)              |                    |                                  |                         |
| 1078 TREE (39-133265) 392947.4400N/0844730.5500W (7.02)         |                                           |                           | 1085 TREE (39-133088) 392945.0800N/0844732.1700W (6.43)              |                    |                                  |                         |
| 1078 TREE (39-133199) 392945.9900N/0844729.1200W (6.35)         |                                           |                           | 1081 TREE (39-033812) 392946.9400N/0844732.8700W (5.16)              |                    |                                  |                         |
| 1076 TREE (39-133312) 392948.1400N/0844731.7200W (4.55)         |                                           |                           | 1096 TREE (39-033443) 392945.7200N/0844741.0000W (4.23)              |                    |                                  |                         |
| 1108 TREE (39-033444) 392937.4600N/0844737.9200W (4.09)         |                                           |                           | 1072 TREE (39-132979) 392946.5800N/0844727.6000W (4.08)              |                    |                                  |                         |
| 1067 TREE (39-133135) 392950.1300N/0844729.2500W (3.76)         |                                           |                           | 1077 TREE (39-032673) 392947.4000N/0844732.0000W (3.55)              |                    |                                  |                         |
| 1051 TRAVERSE_WAY (39-133116) 392954.4200N/0844725.1300W (3.48) |                                           |                           | 1062 TRANSMISSION_LINE (39-023850) 392948.9600N/0844724.9800W (3.36) |                    |                                  |                         |
| 1053 TREE (39-133191) 392953.4600N/0844725.5400W (2.81)         |                                           |                           | 1077 TREE (39-032674) 392947.0300N/0844732.2600W (2.35)              |                    |                                  |                         |
| 1082 TREE (39-133304) 392944.6400N/0844732.3000W (2.3)          |                                           |                           | 1080 TREE (39-132962) 392945.0500N/0844731.8900W (1.83)              |                    |                                  |                         |
| 1075 TREE (39-133530) 392945.8800N/0844730.0400W (1.61)         |                                           |                           | 1078 TREE (39-133212) 392945.7300N/0844731.7400W (1.5)               |                    |                                  |                         |
| 1069 TREE (39-070830) 392948.3300N/0844729.7300W (1.22)         |                                           |                           | 1063 TREE (39-132953) 392949.3000N/0844727.3200W (1.21)              |                    |                                  |                         |
| 1065 TREE (39-133047) 392949.2600N/0844728.5600W (1.09)         |                                           |                           | 1078 TREE (39-032631) 392947.7600N/0844734.7100W (0.84)              |                    |                                  |                         |
| 1050 TRAVERSE_WAY (39-133032) 392953.2900N/0844725.1500W (0.1)  |                                           |                           | 1064 TREE (39-133384) 392948.7500N/0844727.9600W (0.01)              |                    |                                  |                         |
| <b><u>PENETRATIONS REMARKS:</u></b>                             |                                           |                           |                                                                      |                    |                                  |                         |
|                                                                 |                                           |                           |                                                                      |                    |                                  |                         |

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

and/or

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

|                                     |
|-------------------------------------|
| <b><u>PENETRATIONS REMARKS:</u></b> |
|                                     |

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - VDP LOCATED WITHIN 0.5 NM FROM FINAL FIX, AND 20:1 PENS..  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
VEGETATION 100 FT PER FPT.  
FPT NOTIFIED OF 34:1 AND 20:1 PENETRATIONS.  
LETTER OF APPROVAL ON FILE VGSI MITIGATION FOR UNLIT 20:1.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1251 TOWER (18-000213) 392555.00N/0845044.00W.  
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                 | 3.08   |
| WIDTH OF        | FINAL | SEGMENT AT 1000FT POINT         | 1.20   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1000FT POINT | 045.52 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 1100   |
| DISTANCE FROM   | THLD  | TO 1500FT POINT                 | 4.60   |
| WIDTH OF        |       | SEGMENT AT 1500FT POINT         | 2.13   |
| TRUE COURSE OF  |       | SEGMENT CONTAINING 1500FT POINT | 045.52 |
| HIGH TERRAIN IN |       | SEGMENT CONTAINING 1500FT POINT | 1100   |

|                                            |                           |
|--------------------------------------------|---------------------------|
| THRESHOLD COORDINATES (IF STR-IN)          | 392956.13N/0844719.58W    |
| ARP COORDINATES                            | 393008.14N/0844703.77W    |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 5 DISTANCE 0.33 NM |
| FAF COORDINATES                            | 392642.58N/0845134.13W    |
| FIX NAME COORDINATES                       |                           |

REMARKS

IF/IAF STRAIGHT IN TAA, 392141.40N/0845808.99W;  
FETAV, IAF LEFT BASE TAA, 392525.47N/0850817.26W; ZIBUR, IAF RIGHT BASE TAA, 391346.07N/0845329.88W  
THLD DISPLACED 270FT, ACTUAL COORDINATES: 392954.26N/0844722.04W

PART E: PREPARED BY

|              |          |            |                                     |
|--------------|----------|------------|-------------------------------------|
| NAME         | OFFICE   | DATE       | TITLE                               |
| JOSHUA DUGAN | AJV-A431 | 10/09/2024 | AERONAUTICAL INFORMATION SPECIALIST |

