

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> KTHA | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 6 | <u>ORIGINAL/AMENDMENT</u> 2A | <u>CITY</u> TULLAHOMA | <u>STATE</u> TN | | |
| <u>AIRPORT ELEVATION</u> 1084 | <u>TDZE</u> 1084 | <u>SUPERSEDED</u> RNAV (GPS) RWY 6 | <u>ORIGINAL/AMENDMENT</u> 2 | <u>DATED</u> 01/03/2019 | <u>MAG VAR</u> 3W | <u>EPOCH YEAR</u> 2005 |
| <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> |
|-----------------------|------------------------|-----------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| SYI VOR/DME | | FOVEK | | TF | FB | 1.00 | 209.74 | 13.11 | 3000 |
| FOVEK | IAF | EXEGE | NOPT | TF | FB | 1.00 | 135.72 | 7.65 | 3000 |
| ATWUS | IAF | EXEGE | NOPT | TF | FB | 1.00 | 058.04 | 4.66 | 3000 |
| EXEGE | IF/IAF | DACNA | | TF | FB | 1.00 | 060.68 | 6.04 | 2700 |
| DACNA | FAF | JAROL/2.20 NM TO RW06 | | TF | FB | 0.30 | 060.74 | 2.75 | |
| JAROL/2.20 NM TO RW06 | | RW06 | MAP | TF | FO | 0.30 | 060.74 | 2.20 | |
| RW06 | MAP | 1334 MSL | | CA | | | 060.74 | | |
| 1334 MSL | | IDEYA | | DF | FO | 1.00 | | | 3500 |

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW06

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT IDEYA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

| | | | | | |
|---|--|--------------------|-----------------------|------------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD SW EXEGE, RT, 060.68 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: | 060.74 | FAF: DACNA | DIST FAF TO MAP: 4.95 | DIST FAF TO THLD: 4.95 | |
| 4. MIN ALT: | EXEGE 3000, DACNA 2700, JAROL/2.20 NM TO RW06 1820 | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 250 HAT: 0.66 | GS ANT: |
| 6. MIN GP INCPT: | 2700 | GP ALT AT PFAF : | DACNA 2700 | OM: | MM: |
| 7. GP ANGLE: | 3.00 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 40.5 | IM: |
| 8. MSA FROM: | RW06 3400 | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 9 AND 27.
CHART NOTE: CIRCLING TO RWY 18 AND 36 NA AT NIGHT.
CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CAT A/B.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SYI VOR/DME ON V67 NORTHWEST BOUND.
CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 240.91 INBOUND.
CHART FAS OBST: 1258 WATER_TOWER (47-115341) 352212N/0861739W.
CHART VDP AT 1.18 NM TO RW06.
WAAS CHANNEL # 99324
REFERENCE PATH ID: W06A
CHART CIRCLING ICON.
LTP HAE: 301.9 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 | 1334 | 1 | 250 | 1334 | 1 | 250 | 1334 | 1 | 250 | 1334 | 1 | 250 | | | |
| LNAV/VNAV DA | 1525 | 1 1/8 | 441 | 1525 | 1 1/8 | 441 | 1525 | 1 1/8 | 441 | 1525 | 1 1/8 | 441 | | | |
| LNAV MDA | 1500 | 1 | 416 | 1500 | 1 | 416 | 1500 | 1 | 416 | 1500 | 1 | 416 | | | |
| CIRCLING | 1540 | 1 | 456 | 1580 | 1 | 496 | 1620 | 1 1/2 | 536 | 1640 | 2 | 556 | | | |

CHANGES - REASONS

1. INCORPORATED P-NOTAM 1/2660 FOR AMDT 1C INTO FORM.
2. TERMINAL ROUTES: UPDATED FEEDER ROUTE RNP FROM "2.00" TO "1.00" - IAW 8260.58B 8-6-8.
3. PROFILE LINE 4: UPDATED MIN ALT FROM "EXEGE 3000, DACNA 2700, JAROL/2.20 NM TO RW06 1820*" TO "EXEGE 3000, DACNA 2700, JAROL/2.20 NM TO RW06 1820" - * NO LONGER REQUIRED IAW 8260.19I 8-6-7.
4. PROFILE LINE 5: ADDED 250 HAT: 0.66 - IAW 8260.19 8-6-7.
5. PROFILE LINE 7: UPDATED FROM 34:1 IS CLEAR TO 34:1 IS NOT CLEAR - IAW 8260.19I 8-6-7, 34:1 PENETRATIONS.
6. PBN REQUIREMENT NOTES: UPDATED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8.
7. NOTES: ADDED CHART NOTE: CIRCLING RWY 18 AND 36 NA AT NIGHT - IAW 8260.19I 8-6-11.
8. NOTES: ADDED CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV CAT C/D VISIBILITY TO 1 3/8 SM - IAW 8260.19I 8-6-11.
9. NOTES: ADDED CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - IAW 8260.19I 8-6-11.
10. NOTES: UPDATED CHART NOTE FROM "INOPERATIVE TABLE DOES NOT APPLY" TO "INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CAT A/B" - IAW 8260.3E TABLE 3-3-1, TABLE 3-3-4, TABLE 3-3-6, INOPERATIVE TABLE APPLIES TO LNAV/VNAV AND LNAV CATS C AND D.
11. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "1239 TREE 352115N/0861728W, 1219 TREE 352222N/0861636W" TO "1258 WATER TOWER (47-115341) 352211.75N0861739.00W" - UPDATED OBSTACLE EVALUATION, NEW CONTROLLING OBSTACLE.
12. MINIMUMS: ALTERNATE: UPDATED FROM "STANDARD" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19I 8-6-11.
13. MINIMUMS: UPDATED LPV ALL CATS VISIBILITY FROM "3/4" TO "1" - 8260.3E TABLE 3-3-1.
14. MINIMUMS: UPDATED LNAV/VNAV ALL CATS VISIBILITY FROM "1 3/8" TO "1 1/8" - 8260.3E TABLE 3-3-1.
15. MINIMUMS: UPDATED LNAV CATS C AND D VISIBILITY FROM "1 1/8" TO "1" - 8260.3E TABLE 3-3-1.
16. MINIMUMS: UPDATED CAT B CMDA/HAA FROM "1560/476" TO "1580/496" AND CIRCLING CAT C CMDA/HAA FROM "1580/496" TO "1620/536" - NEW CONTROLLING OBSTACLE.
17. CRC REMAINDER CHANGED FROM 64458991 TO 8380122C - LTP LAT/LONG CHANGED FROM 352239.8360N/0861520.6655W TO 352239.8360N/0861520.6615W, FPAF LAT/LONG CHANGED FROM "352327.3920N/0861348.4605W" TO "352327.4000N/0861348.4620W."

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, AMGR

FLIGHT CHECKED BY
ROBERT E WILLIAMS

DEVELOPED BY
ERIC N SUSKI (JUDITH TUTTLE)

APPROVED BY
ERIC N SUSKI

Digitally signed by
ERIC N SUSKI
Apr 19, 2023
Digitally signed by

ERIC N SUSKI
Feb 22, 2023

Digitally signed by
ERIC N SUSKI
Feb 22, 2023

OFFICE
FPO

OFFICE
AJV-A431

OFFICE
AJV-A431

DATE
04/18/2023

DATE
12/30/2022

DATE

QUALITY
10
CHECKED

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KTHA |
| RUNWAY | RW06 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W06A |
| LTP/FTP LATITUDE | 352239.8360N |
| LTP/FTP LONGITUDE | 0861520.6615W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +03019 |
| FPAP LATITUDE | 352327.4000N |
| FPAP LONGITUDE | 0861348.4620W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.5 |
| 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 | 8380122C |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +03304 |
| FPAP ORTHOMETRIC HEIGHT | +03304 |



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

| | | | | | | |
|---------------------------|---|-----------------------|--------------------------|--------------------|----------------------------------|-------------------------|
| <u>AIRPORT ID</u> KTHA | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 6 | <u>AMDT NO.</u> 2A | <u>CITY</u> TULLAHOMA | <u>STATE</u> TN | <u>AIRPORT ELEVATION</u> 1084 | <u>FACILITY</u> RNAV |
|---------------------------|---|-----------------------|--------------------------|--------------------|----------------------------------|-------------------------|

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
SYI VOR/DME

TO
FOVEK

| <u>RNP</u> | <u>DISTANCE</u> 13.11 | <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> |
| AAO | 352133.00N/0863224.00W | | 1496 | 164 | 98 | 4E | 1000 | | | | AT504 | 3000 |
| TERRAIN | 352203.00N/0863421.00W | | 1257 (1300) | | | | | | | | AS1500 | 2800 |

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
FOVEK

TO
EXEGE

| <u>RNP</u> | <u>DISTANCE</u> 7.65 | <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> |
| AAO | 352133.00N/0863224.00W | | 1496 | 164 | 98 | 4E | 1000 | | | | AT504 | 3000 |
| TERRAIN | 352133.00N/0863224.00W | | 1296 (1300) | | | | | | | | AS1500 | 2800 |

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM
ATWUS

TO
EXEGE

| RNP | DISTANCE 4.66 | PAT | MAP | HAT | | | HMAS | | | | | |
|-------------|------------------------|-----|-------------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| AAO | 351354.00N/0863239.00W | | 1398 | 164 | 98 | 4E | 1000 | | | | AT602 | 3000 |
| TERRAIN | 351536.00N/0863224.00W | | 1162 (1200) | | | | | | | | AS1500 | 2700 |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
EXEGE (IF/IAF)

TO
DACNA

| RNP | DISTANCE 6.04 | PAT | MAP | HAT | | | HMAS | | | | | |
|-------------|------------------------|-----|-------------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| AAO | 351918.00N/0862512.00W | | 1395 | 164 | 98 | 4E | 500 | | | | AC98 | 2000 |
| TERRAIN | 351918.00N/0862512.00W | | 1195 (1200) | | | | | | | | AS1500 | 2700 |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM
DACNA

TO
RW06

| <u>RNP</u> | <u>DISTANCE</u> 4.95 | <u>PAT</u> | <u>MAP</u> DA | <u>HAT</u> 250 | | | <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> |
| TREE (47-115546) | 352234.62N/0861521.35W | | 1160 | 20 | 3 | 1A | | 34:1 | | | SA-2 XP174 | 1334 |

COMPUTATIONS

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

SEGMENT REMARKS:

PER FLT CK, ODAL FAILED DUE TO THE FIRST LIGHT(FURTHEST FROM THE AIRPORT) COMPLETELY OBSTRUCTED BY TREES. XP: MAINTAIN CURRENT MINIMUM.

FINAL: LNAV/VNAV

FROM
DACNA

TO
RW06

| <u>RNP</u> | <u>DISTANCE</u> 4.95 | <u>PAT</u> | <u>MAP</u> DA | <u>HAT</u> 441 | | | <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> |
| TREE | 352222.02N/0861635.98W | | 1219 | 50 | 20 | 2C | | 23.43:1 | | | AC20 | 1525 |

COMPUTATIONS

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

SEGMENT REMARKS:

PER FLT CK, ODAL FAILED DUE TO THE FIRST LIGHT(FURTHEST FROM THE AIRPORT) COMPLETELY OBSTRUCTED BY TREES.



FINAL: LNAV

FROM
DACNA

TO
JAROL/2.20 NM TO RW06

| RNP | DISTANCE 2.75 | PAT | MAP | HAT | | | HMAS | | | | | |
|-------------------|------------------------|-----|----------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| TOWER (47-023149) | 352103.10N/0862007.91W | | 1360 | 20 | 3 | 1A | 250 | | | | RA200 | 1820 |

COMPUTATIONS

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

SEGMENT REMARKS:
OBSTACLE 47-023149 SECONDARY ADJUSTMENT NOT TAKEN
FINAL: LNAV STEPDOWN

FROM
JAROL/2.20 NM TO RW06

TO
RW06

| <u>RNP</u> | <u>DISTANCE</u> 2.20 | <u>PAT</u> | <u>MAP</u> RW06 | <u>HAT</u> 416 | | | <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> |
| WATER_TOWER (47-115341) | 352211.75N/0861739.00W | | 1258 | 20 | 3 | 1A | 250 | | | | SA-8 | 1500 |

COMPUTATIONS

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

SEGMENT REMARKS:
PER FLT CK, ODAL FAILED DUE TO THE FIRST LIGHT(FURTHEST FROM THE AIRPORT) COMPLETELY OBSTRUCTED BY TREES.



HOLD-IN-LIEU OF PT

FROM
EXEGE

TO
P-5

| RNP | DISTANCE | PAT P-5 | MAP | HAT | | | HMAS | | | | | |
|-------------------|------------------------|------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| TOWER (47-001856) | 351632.30N/0862136.50W | | 1489 | 50 | 20 | 2C | 1000 | | | | AT511 | 3000 |
| TERRAIN | 351751.00N/0863018.00W | | 1201 (1200) | | | | | | | | AS1500 | 2700 |

| 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
IDEYA

| RNP | DISTANCE | PAT | MAP | HAT | | | HMAS 1147 | | | | | |
|-------------------|------------------------|-----|-------------|------|------|----|--------------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| | | | | | | | | ASC | | | | 3500 |
| TOWER (47-001750) | 352838.00N/0860343.00W | | 1423 | 500 | 50 | 5D | 1000 | | | | | 2500 |
| TERRAIN | 352751.00N/0860048.00W | | 1159 (1200) | | | | | | | | AS1500 | 2700 |

| 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

IDEYA

| RNP | DISTANCE | PAT | MAP | HAT | | | HMAS 1364 | | | | | |
|-------------------|------------------------|-----|-------------|------|------|----|--------------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| | | | | | | | | ASC | | | | 3500 |
| TOWER (47-001750) | 352838.00N/0860343.00W | | 1423 | 500 | 50 | 5D | 1000 | | | | | 2500 |
| TERRAIN | 352751.00N/0860048.00W | | 1159 (1200) | | | | | | | | AS1500 | 2700 |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW06

TO

IDEYA

| RNP | DISTANCE | PAT | MAP | HAT | | | HMAS 1400 | | | | | |
|-------------------|------------------------|-----|-------------|------|------|----|--------------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES | | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| | | | | | | | | ASC | | | | 3500 |
| TOWER (47-001750) | 352838.00N/0860343.00W | | 1423 | 500 | 50 | 5D | 1000 | | | | | 2500 |
| TERRAIN | 352751.00N/0860048.00W | | 1159 (1200) | | | | | | | | AS1500 | 2700 |

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

| OBSTRUCTION | COORDINATES | RADIUS | HAA | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|-------------------------------|------------------------|--------|-----|----------|------|------|----|-----|-----|-------------|---------|
| CATEGORY A | | | | | | | | | | | |
| TOWER (47-115232) | 352258.51N/0861338.82W | 1.30 | 456 | 1231 | 20 | 3 | 1A | 300 | | | 1540 |
| CATEGORY B | | | | | | | | | | | |
| TRANSMISSION_LINE (47-115264) | 352317.97N/0861721.26W | 1.84 | 496 | 1262 | 20 | 10 | 1B | 300 | | | 1580 |
| CATEGORY C | | | | | | | | | | | |
| TOWER (47-000549) | 352036.00N/0861202.08W | 2.90 | 536 | 1319 | 20 | 20 | 1C | 300 | | | 1620 |
| CATEGORY D | | | | | | | | | | | |
| AAO | 352109.18N/0861919.92W | 3.79 | 556 | 1330 | 50 | 20 | 2C | 300 | | | 1640 |

CIRCLING REMARKS:

MSA

CENTER
RW06

RADIUS
25

| SECTOR | OBSTRUCTION | COORDINATES | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | TOWER (47-020346) | 352210.86N/0855128.35W | 094 | 19.5 | 2349 | 50 | 20 | 2C | 1000 | | | 3400 |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZME ARTCC, BNA FSS

| | | | | | | |
|-----------------------------------|-------------------------|----------------------------|---------------------------------|--------------------------|-----------------------|---------------------------|
| <u>WX SERVICE</u> AWOS-3 | <u>LOCATION</u> KTHA | <u>HRS OPERATION</u> 24 | <u>ALTIMETER SOURCE</u> KTHA | <u>DISTANCE</u> 0 | <u>SERVICE-A</u> Y | <u>ADJUSTMENTS</u> 0 |
| <u>BACK-UP WX SERVICE</u> ASOS | <u>LOCATION</u> KBNA | <u>HRS OPERATION</u> 24 | <u>ALTIMETER SOURCE</u> KBNA | <u>DISTANCE</u> 48.79 | <u>SERVICE-A</u> Y | <u>ADJUSTMENTS</u> 182 |

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KTHA 1084, KBNA 588
RA = 181.23.

| | | | |
|---|----------------------|------------------------|----------------------------|
| <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> |
| RW09 | | BSC-G | |
| RW27 | | BSC-G | |
| RW06 - MIRL (PCL), REIL, ODALS (PCL), PAPI-2L | | NPI-G | |
| RW24 - MIRL (PCL), REIL, PAPI-2L | | NPI-G | |
| RW18 - MIRL (PCL), REIL, PAPI-2L (PCL) | | NPI-P | |
| RW36 - MIRL (PCL), REIL, PAPI-2L (PCL) | | NPI-P | |

| | | | | | | |
|---------------------------------|-------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|
| <u>GLIDESLOPE ANGLE</u> 3.00 | <u>ELEV RWY THRESHOLD</u> 1083.9 | <u>TCH</u> 40.5 | <u>ELEV GS ANTENNA</u> | <u>DISTANCE FROM RWY</u> | <u>VGSI ANGLE</u> 3.00 | <u>TCH</u> 40.5 |
|---------------------------------|-------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|

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> -17C | <u>CRITICAL HIGH</u> +54C | <u>ACT</u> -17C | <u>APT ISA</u> +12.85C |
|-----------------------------|------------------------------|--------------------|---------------------------|

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 970 HIGH TEMP 1279.



"VISUAL PORTION OF FINAL" PENETRATIONS

| | | |
|--|----------------------------|--|
| Final Type | CIRLCING RWY 18 | |
| 20:1 | | |
| 1149 TREE (47-114991) 352326.46N/0861433.16W (33.03) | | 1141 TREE (47-114712) 352325.13N/0861433.75W (31.75) |
| 1144 TREE (47-114488) 352325.75N/0861434.25W (31.61) | | 1148 TREE (47-114262) 352327.42N/0861440.80W (27.09) |
| 1156 TREE (47-115691) 352329.07N/0861440.98W (26.75) | | 1161 TREE (47-115814) 352330.21N/0861441.32W (25.98) |
| 1125 TREE (47-114813) 352323.83N/0861433.92W (22.32) | | 1118 TREE (47-115720) 352322.51N/0861439.68W (21.93) |
| 1150 TREE (47-114517) 352329.04N/0861433.19W (20.99) | | 1135 TREE (47-115893) 352327.86N/0861433.73W (11.95) |
| 1140 TREE (47-114260) 352329.80N/0861433.42W (7.14) | | |
| Final Type | CIRLCING RWY 36 | |
| 20:1 | | |
| 1159 TREE (47-115864) 352220.68N/0861432.01W (12.14) | | |
| Final Type | LPV, LNAV/VNAV, LNAV RWY 6 | |
| 34:1 | | |
| 1125 TREE (47-115159) 352231.87N/0861532.99W (8.95) | | 1119 TREE (47-115396) 352235.23N/0861532.71W (8.85) |
| 1116 TREE (47-115528) 352232.68N/0861530.07W (7.25) | | 1123 TREE (47-115779) 352230.60N/0861532.33W (6.3) |
| 1120 TREE (47-115921) 352231.47N/0861532.22W (4.9) | | 1123 TREE (47-115552) 352232.16N/0861534.88W (3.51) |
| 1113 TREE (47-114285) 352233.55N/0861531.23W (3.24) | | 1116 TREE (47-114296) 352234.72N/0861534.27W (1.83) |
| 1110 TREE (47-115218) 352233.11N/0861530.76W (0.51) | | |

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

QUALITY
10
CHECKED

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



| | | | | | | |
|--------------------------------|--|----------------------------|-------------------------------|-------------------------|---------------------------------------|------------------------------|
| <div>AIRPORT ID KTHA</div> | <div>PROCEDURE NAME RNAV (GPS) RWY 6</div> | <div>AMDT NO. 2A</div> | <div>CITY TULLAHOMA</div> | <div>STATE TN</div> | <div>AIRPORT ELEVATION 1084</div> | <div>FACILITY RNAV</div> |
|--------------------------------|--|----------------------------|-------------------------------|-------------------------|---------------------------------------|------------------------------|

PART D: AIRSPACE

DOCKET # NOT REQUIRED.

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 | 3.06 |
| WIDTH OF | FINAL | SEGMENT AT 1000FT POINT | 1.20 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1000FT POINT | 057.74 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 1100 |
| DISTANCE FROM | THLD | TO 1500FT POINT | 4.75 |
| WIDTH OF | FINAL | SEGMENT AT 1500FT POINT | 1.95 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1500FT POINT | 057.74 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1500FT POINT | 1100 |

THRESHOLD
COORDINATES
(IF STR-IN)

352239.84N/0861520.66W

ARP COORDINATES

352248.45N/0861448.40W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 9 DISTANCE 0.57 NM

FAF
COORDINATES

352001.26N/0862027.65W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
10
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 11 of 12

PART E: PREPARED BY

| | | | |
|---|---------------------------|---------------------------|---|
| <u>NAME</u> ERIC N SUSKI (JUDITH TUTTLE) | <u>OFFICE</u> AJV-A431 | <u>DATE</u> 12/30/2022 | <u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST |
|---|---------------------------|---------------------------|---|

