

**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>          |                |                   |
|--------------------------|----------------------------------|------------------------------|--------------------------------|-----------------------|----------------|-------------------|
| VJI                      | RNAV (GPS) RWY 24                | 3                            | ABINGDON                       | VA                    |                |                   |
| <u>AIRPORT ELEVATION</u> | <u>TDZE</u>                      | <u>SUPERSEDED</u>            | <u>ORIGINAL/AMENDMENT</u>      | <u>DATED</u>          | <u>MAG VAR</u> | <u>EPOCH YEAR</u> |
| 2087                     | 2087                             | RNAV (GPS) RWY 24            | 2                              | 10/12/2017            | 5W             | 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                        |                       |                |                   |

**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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| STOVE                 |                 | ZOLUB                 |                 | TF              | FB           | 1.00       | 272.08        | 13.89           | 6600            |
| HORAL                 |                 | HOWER                 |                 | TF              | FB           | 1.00       | 039.23        | 16.36           | 6700            |
| HOWER                 |                 | KURRU                 |                 | TF              | FO           | 1.00       | 039.05        | 10.00           | 5100            |
| MIFJU                 | IAF             | KURRU                 | NOPT            | TF              | FB           | 1.00       | 200.94        | 5.00            | 5100            |
| ZOLUB                 | IAF             | KURRU                 | NOPT            | TF              | FB           | 1.00       | 305.06        | 6.00            | 5100            |
| KURRU                 | IF/IAF          | AKQON                 |                 | TF              | FB           | 1.00       | 241.14        | 6.39            | 4000            |
| AKQON                 | FAF             | VIMIW/2.83 NM TO RW24 |                 | TF              | FB           | 0.30       | 241.10        | 2.65            |                 |
| VIMIW/3.00 NM TO RW24 |                 | RW24                  | MAP             | TF              | FO           | 0.30       | 241.10        | 2.83            |                 |
| RW24                  | MAP             | 2900 MSL              |                 | CA              |              |            | 241.10        |                 | 2900            |
| 2900 MSL              |                 | KURRU                 |                 | DF              | FO           | 1.00       |               |                 | 7300            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW24

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 7300 DIRECT KURRU AND HOLD, CONTINUE CLIMB-IN-HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

|    |                       |                                               |                                                  |              |                  |          |                   |      |         |  |  |  |  |     |  |
|----|-----------------------|-----------------------------------------------|--------------------------------------------------|--------------|------------------|----------|-------------------|------|---------|--|--|--|--|-----|--|
| 1. | PT                    | SIDE OF COURSE                                | OUTBOUND                                         | FT WITHIN    | MILES OF         | (IAF)    |                   |      |         |  |  |  |  |     |  |
| 2. | HOLD E                | KURRU, LT, 265.00                             | INBOUND, 5100 FT. IN LIEU OF PT (IAF), MAX 7300. |              |                  |          |                   |      |         |  |  |  |  |     |  |
| 3. | FAC:                  | 241.10                                        | FAF:                                             | AKQON        | DIST FAF TO MAP: | 5.48     | DIST FAF TO THLD: | 5.48 |         |  |  |  |  |     |  |
| 4. | MIN ALT:              | KURRU 5100, AKQON 4000, VIMIW/2.83 NM TO RW24 | 3100                                             |              |                  |          |                   |      |         |  |  |  |  |     |  |
| 5. | DIST TO THLD FROM OM: |                                               | MM:                                              | IM:          | 150 HAT:         |          | 364 HAT:          | 0.92 | GS ANT: |  |  |  |  |     |  |
| 6. | MIN GP INCPT:         | 4000                                          | GP ALT AT PFAF:                                  | AKQON 4000   |                  |          | OM:               |      | MM:     |  |  |  |  | IM: |  |
| 7. | GP ANGLE:             | 3.25                                          | 34:1:                                            | IS NOT CLEAR | 20:1:            | IS CLEAR | TCH:              | 51.0 |         |  |  |  |  |     |  |
| 8. | MSA FROM:             | RW24 7000                                     |                                                  |              |                  |          |                   |      |         |  |  |  |  |     |  |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.  
CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.  
PROCEDURE NA FOR ARRIVALS AT HORAL ON T423 SOUTH BOUND.  
PROCEDURE NA FOR ARRIVALS AT HORAL ON T215 SOUTHEAST BOUND  
PROCEDURE NA FOR ARRIVALS AT STOVE ON V133 SOUTHEAST BOUND.  
PROCEDURE NA FOR ARRIVALS AT MIFJU ON V466 NORTHEAST BOUND.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT A/B VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 2472 TREE (51-087134) 364326N/0815918W.  
2687 AAO 364442N/0815700W.  
CHART VDP AT 1.87 NM TO RW24.  
WAAS CHANNEL # 77827  
REFERENCE PATH ID: W24A  
CHART CIRCLING ICON.  
LTP HAE: 605.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1000-3, 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       | 2451   | 1     | 364     | 2451   | 1     | 364     | 2451   | 1     | 364     | 2451   | 1     | 364     |        |     |         |
| LNAV/VNAV DA | 2682   | 1 5/8 | 595     | 2682   | 1 5/8 | 595     | 2682   | 1 5/8 | 595     | 2682   | 1 5/8 | 595     |        |     |         |
| LNAV MDA     | 2760   | 3/4   | 673     | 2760   | 3/4   | 673     | 2760   | 1 3/4 | 673     | 2760   | 1 3/4 | 673     |        |     |         |
| CIRCLING     | 2860   | 1     | 773     | 2860   | 1     | 773     | 2860   | 2 1/4 | 773     | 3080   | 3     | 993     |        |     |         |



CHANGES - REASONS

1. FDC NOTAM 2/9348 AND P-NOTAM INCORPORATED INTO AMENDMENT 3.
2. TERMINAL ROUTES: FEEDER FROM HMV VORTAC TO KURRU REPLACED WITH HORAL TO STEP DOWN FIX HOWER TO KURRU - MHV VORTAC REMOVED DUE TO DECOMMISSION IN FUTURE, FPT/AIRPORT REQUEST.
3. TERMINAL ROUTES: KURRU TO AKQON COURSE CHANGED FROM 241.15 TO 241.14, AKQON TO VIMIW/2.83 NM TO RW24 COURSE/DISTANCE CHANGED FROM 241.09/2.82 TO 241.10/2.24, VIMIW/2.83 NM TO RW24 TO RW 24 AND CA LEG COURSE CHANGED FROM 241.09 TO 241.10 - FAF AKQON MOVED FOR ALIGNMENT PER FPT.
4. TERMINAL ROUTES: FAF TO SDF SEGMENT CHANGED FROM "AKQON" TO "VIMIW/3.00 NM TO RW24" TO "AKQON" TO "VIMIW/2.83 NM TO RW24," AKQON TO VIMIW/2.83 NM TO RW24 DISTANCE CHANGED FROM "2.24" TO "2.65," AND VIMIW/2.83 NM TO RW24 TO RW24 DISTANCE CHANGED FROM "3.00" TO "2.83" – VIMIW MOVED TO ALIGN VAA WITH FAC.
5. MISSED APPROACH INSTRUCTIONS: UPDATED FORM "CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 5100 DIRECT KURRU AND HOLD" TO "CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 7300 DIRECT KURRU AND HOLD, CONTINUE CLIMB-IN-HOLD" – NEW OBSTACLE EVALUATION REQUIRING CLIMB-IN-HOLD.
6. PROFILE LINE 3: FAC CHANGED FROM 241.09 TO 241.10 - FAF AKQON MOVED FOR ALIGNMENT PER FPT.
7. PROFILE LINE 4: UPDATED MIN ALT FROM "VIMIW/3.00 NM TO RW24" TO "VIMIW/2.83 NM TO RW24" REMOVED ASTERISK – VIMIW MOVED TO ALIGN VAA, ASTERISK NO LONGER REQUIRED PER CRITERIA.
8. PROFILE LINE 7: CHANGED 34:1 IS CLEAR TO IS NOT CLEAR AND ADDED 20:1 IS CLEAR - NEW OBSTACLE EVALUATION AND IAW 8260.19I 8-6-7.
9. PROFILE LINE 7: CJAMGED GP ANGLE AND TCH FROM "3.00/58.0" TO "3.20/51.0" – FAF MOVED FOR ALIGNMENT PER FPT REQUEST.
10. PBN REQUIREMENTS NOTE: ADDED RNP APCH - GPS - IAW 8260.19I 8-6-8.
11. NOTES: REMOVED DME/DME RNP-0.3 NA - NO LONGER REQUIRED IAW 8260.19I 8-6-8.
12. NOTES: UPDATED CHART NOTE: FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 53C (127F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C" – IAW 8260.19I 8-6-9.
13. NOTES: UPDATED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS ON HMV VORTAC AIRWAY RADIALS 321 CW 108, AND ARRIVALS AT MIFJU ON V466 NORTHEAST BOUND, AND ARRIVALS AT STOVE ON V133 SOUTHEAST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT HORAL ON T423 SOUTH BOUND," "PROCEDURE NA FOR ARRIVALS AT HORAL ON T215 SOUTHEAST BOUND," "PROCEDURE NA FOR ARRIVALS AT STOVE ON V133 SOUTHEAST BOUND," AND "PROCEDURE NA FOR ARRIVALS AT MIFJU ON V466 NORTHEAST BOUND." - UPDATED AIRWAYS, SEPARATED NOTES IAW 8260.19J AND MEMO #290 ATTACHMENT 4.
14. NOTES: ADDED RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - CLEARS PART OF FDC NOTAM 2/9348, IAW 8260.19I 8-6-11.
15. ADDITIONAL FLIGHT DATA: CHART FAS OBST CHANGED FROM "2499 TREE 364325N/0815918W" TO "2472 TREE (51-087134) 364326N/0815918W" - NEW OBSTACLE EVALUATION WITH UPDATED AIRPORT SURVEY, IAW 8260.19I 8-6-10.
16. ADDITIONAL FLIGHT DATA: UPDATED CHART VDP AT: FROM "1.18 NM TO RW24\*" TO "1.87 NM TO RW24" – ASTERISK NO LONGER REQUIRED, UPDATED VGSI.
17. MINIMUMS: ADDED NA WHEN LOCAL WEATHER NOT AVAILABLE TO ALTERNATE MINIMUMS - IAW 8260.19I 8-6-11 AND MEMO ATTACHMENT 4.
18. MINIMUMS: LPV DA/HAT CHANGED FROM 2337/250 TO 2451/364 - NEW OBSTACLE EVALUATION WITH UPDATED SURVEY IDENTIFIED NEW FINAL CONTROLLING OBSTACLE.
19. MINIMUMS: LNAV/VNAV DA/HAT CHANGED FROM 2525/438 TO 2682/595 AND VISIBILITY INCREASED FROM 1 1/4 TO 1 5/8 - NEW OBSTACLE EVALUATION WITH UPDATED SURVEY, NEW CONTROLLING OBSTACLE.
20. FAS DATA: FPAP LAT/LONG CHANGED FROM 364036.0600N/0820309.0800W TO 364036.0665N/0820309.0870W, LENGTH OFFSET CHANGED FROM 1384 TO 1072, TCH/GPA CHANGED FROM "3.00/51.0" TO "3.25/51.0" AND CRC REMAINDER CHANGED FROM 4948E2E2 TO 5D62D910 - UPDATED AIRNAV DATA WITH NEW SURVEY.
21. NOTES: ADDED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT A/B VISIBILITY TO 1 3/4 SM" – IAW 8260.3E TABLE 3-3-1 AND THE INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE.
22. NOTES: ADDED "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV" – IAW 8260.3E TABLE 3-3-1 AND THE INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE.

8/19/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 3/28/24.

1. UPDATED PROFILE LINE 2 FROM: "HOLD E KURRU, LT, 265.00 INBOUND, 5100 FT. IN LIEU OF PT (IAF), MAX 6000" TO "HOLD E KURRU, LT, 265.00 INBOUND, 5100 FT. IN LIEU OF PT (IAF), MAX 7300."

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZTL, TRI APCH CNTRL, AMGR

FLIGHT CHECKED BY

JEREMY R VIRT

Digitally signed by

ERIC N SUSKI

Aug 20, 2024

OFFICE

FPO

DATE

08/14/2024

DEVELOPED BY

ERIC N SUSKI (JUDITH TUTTLE)

Digitally signed by

ERIC N SUSKI

Aug 20, 2024

OFFICE

AJV-A431

DATE

03/28/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Aug 20, 2024

OFFICE

AJV-A431

DATE

TITLE  
MANAGER



AIRPORT ID  
VJI

PROCEDURE NAME  
RNAV (GPS) RWY 24

ORIGINAL/AMENDMENT  
3

CITY  
ABINGDON

STATE  
VA

**FAS DATA BLOCK INFORMATION**

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KVJI          |
| RUNWAY                                   | RW24          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W24A          |
| LTP/FTP LATITUDE                         | 364125.9170N  |
| LTP/FTP LONGITUDE                        | 0820137.2190W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +06053        |
| FPAP LATITUDE                            | 364036.0665N  |
| FPAP LONGITUDE                           | 0820309.0870W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00051.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.25         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 1072          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 50.0          |

|               |          |
|---------------|----------|
| CRC REMAINDER | 5D62D910 |
|---------------|----------|

**ADDITIONAL PATH POINT RECORD INFORMATION**

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K6     |
| LTP ORTHOMETRIC HEIGHT  | +06362 |
| FPAP ORTHOMETRIC HEIGHT | +06362 |



**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> |
|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| VJI               | RNAV (GPS) RWY 24     | 3               | ABINGDON    | VA           | 2087                     | RNAV            |

**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM** STOVE **TO** ZOLUB

**RNP** 1.00 **DISTANCE** 13.89 **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> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO                | 364354.00N/0812421.00W | 4380            | 215         | 8           | 4B        | 2000       |            |           |             | AT220              | 6600           |
| TERRAIN            | 364409.00N/0812836.00W | 4045 (4000)     |             |             |           |            |            |           |             | AS1500             | 5500           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FEEDER**

**FROM** HORAL **TO** HOWER

**RNP** 1.00 **DISTANCE** 16.36 **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 (47-002282)  | 362658.20N/0820628.70W | 4632            | 50          | 20          | 2C        | 2000       |            |           |             |                    | 6700           |
| TERRAIN            | 364748.00N/0814909.00W | 2650 (2700)     |             |             |           |            |            |           |             | AS1500             | 4200           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



FEEDER

FROM

HOWER

TO

KURRU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|-------------|-----------|-------------|--------------------|----------------|
| 1.00               | 10.00                  |                 |             |             |           |            |             |           |             |                    |                |
| <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                | 364812.00N/0814845.00W | 2999            | 215         | 8           | 4B        | 2000       |             |           |             | AT101              | 5100           |
| TERRAIN            | 364748.00N/0814909.00W | 2650 (2700)     |             |             |           |            |             |           |             | AS1500             | 4200           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

MIFJU

TO

KURRU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|-------------|-----------|-------------|--------------------|----------------|
| 1.00               | 5.00                   |                 |             |             |           |            |             |           |             |                    |                |
| <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                | 365418.00N/0814924.00W | 3724            | 215         | 8           | 4B        | 1000       |             |           |             | PR190 AT186        | 5100           |
| TERRAIN            | 365303.00N/0814830.00W | 2814 (2800)     |             |             |           |            |             |           |             | AS1500             | 4300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

ZOLUB

TO

KURRU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|-------------|-----------|-------------|--------------------|----------------|
| 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> |
| AAO                | 364812.00N/0814845.00W | 2999            | 215         | 8           | 4B        | 1000       |             |           |             | AT1101             | 5100           |
| TERRAIN            | 364812.00N/0814845.00W | 2798 (2800)     |             |             |           |            |             |           |             | AS1500             | 4300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

KURRU (IF/IAF)

TO

AKQON

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|-------------|-----------|-------------|--------------------|----------------|
| 1.00               | 6.39                   |                 |             |             |           |            |             |           |             |                    |                |
| <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                | 364812.00N/0814845.00W | 2999            | 215         | 8           | 4B        | 500        |             |           |             | AT501              | 4000           |
| TERRAIN            | 364748.00N/0814909.00W | 2650 (2700)     |             |             |           |            |             |           |             | AS1000             | 3700           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

AKQON

TO

RW24

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 5.48                   |                 | DA          |             |           |            | 364        |             |             |                    |                |
| <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 (51-086835)   | 364149.22N/0820102.68W | 2212            | 20          | 3           | 1A        |            | 31.88:1    |             |             | MA113              | 2451           |

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

AKQON

TO

RW24

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 5.48                   |                 | DA          |             |           |            | 595        |             |             |                    |                |
| <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 (51-085309)   | 364248.60N/0820022.55W | 2368            | 20          | 3           | 1A        |            | 21.96:1    |             |             | DG314              | 2682           |

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM

AKQON

TO

VIMIW/2.83 NM TO RW24

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 2.65                   |                 |             |             |           |            |            |             |             |                    |                |
| <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                | 364439.00N/0815709.00W | 2641            | 215         | 8           | 4B        | 250        |            |             |             | RA120 DG89         | 3100           |

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

VIMIW/3.00 NM TO RW24

TO

RW24

| <u>RNP</u> | <u>DISTANCE</u> | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|------------|-----------------|------------|------------|------------|-------------|
| 0.30       | 2.83            |            | RW24       | 673        |             |

| <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 (51-087134)   | 364325.89N/0815917.76W | 2472            | 20          | 3           | 1A        | 250        |            |           |             | SA-10 DG48         | 2760           |

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

KURRU

TO

P-6

| <u>RNP</u> | <u>DISTANCE</u> | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|------------|-----------------|------------|------------|------------|-------------|
|            |                 | P-6        |            |            |             |

| <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                | 365618.00N/0814557.00W | 4525            | 215         | 8           | 4B        | 1000       |            |           |             | SA-859 PR190<br>AT244 | 5100           |
| TERRAIN            | 365245.00N/0813621.00W | 3330 (3300)     |             |             |           |            |            |           |             | AS1500                | 4800           |

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

KURRU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|-------------|-----------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            | 2209        |           |             |                    |                |
| <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         |           |             |                    | 5100           |
| AAO                | 363442.00N/0815536.00W | 3675            | 215         | 8           | 4B        | 1000       |             |           |             | PR90               | 4800           |
| TERRAIN            | 363442.00N/0815536.00W | 3474 (3500)     |             |             |           |            |             |           |             | AS1500             | 5000           |

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

KURRU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|-------------|-----------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            | 2521        |           |             |                    |                |
| <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         |           |             |                    | 5100           |
| AAO                | 363442.00N/0815536.00W | 3675            | 215         | 8           | 4B        | 1000       |             |           |             | PR90               | 4800           |
| TERRAIN            | 363442.00N/0815536.00W | 3474 (3500)     |             |             |           |            |             |           |             | AS1500             | 5000           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW24

TO

KURRU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30-1.00          |                        |                 |             |             |           |            |            |             |             | 2660               |                |
| <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        |             |             |                    | 5100           |
| AAO                | 363442.00N/0815536.00W | 3675            | 215         | 8           | 4B        | 1000       |            |             |             | PR90               | 4800           |
| TERRAIN            | 363442.00N/0815536.00W | 3474 (3500)     |             |             |           |            |            |             |             | AS1500             | 5000           |

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       |                        |        |     |          |      |      |    |     |     |             |         |
| TREE (51-086358) | 364209.80N/0820258.20W | 1.33   | 773 | 2554     | 20   | 10   | 1B | 300 |     |             | 2860    |
| CATEGORY B       |                        |        |     |          |      |      |    |     |     |             |         |
| TREE (51-086358) | 364209.80N/0820258.20W | 1.88   | 773 | 2554     | 20   | 10   | 1B | 300 |     |             | 2860    |
| CATEGORY C       |                        |        |     |          |      |      |    |     |     |             |         |
| TREE (51-086358) | 364209.80N/0820258.20W | 2.96   | 773 | 2554     | 20   | 10   | 1B | 300 |     |             | 2860    |
| CATEGORY D       |                        |        |     |          |      |      |    |     |     |             |         |
| AAO              | 364454.00N/0820024.00W | 3.88   | 993 | 2756     | 215  | 8    | 4B | 300 |     | DG24        | 3080    |

CIRCLING REMARKS:

MSA

CENTER

RW24

RADIUS

25

| SECTOR  | OBSTRUCTION | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | AAO         | 363936.00N/0813242.00W | 099     | 23.3     | 5928     | 215  | 8    | 4B | 1000 |     |             | 7000    |

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZTL ARTCC, TRI-CITY APP CON, DCA 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                    | VJI             | 24                   | VJI                     | 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> |
| ASOS                      | TRI             | 24                   | TRI                     | 22.01           | Y                | 120                |

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KJVI 2087, KTRI 1597  
RA = 119.3.

| <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> |
| RW06 - MIRL (PCL), REIL (PCL)                             |                      | NPI-F                  |                            |
| RW24 - ODALS (PCL), MIRL (PCL), REIL (PCL), PAPI-2L (PCL) |                      | NPI-F                  |                            |

| <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> |
|-------------------------|---------------------------|------------|------------------------|--------------------------|-------------------|------------|
| 3.25                    | 2087.4                    | 51.0       |                        |                          | 3.25              | 23.2       |

FINAL APPROACH COURSE AIMING

|                  |              |                    |                              |
|------------------|--------------|--------------------|------------------------------|
| RUNWAY THRESHOLD | <div>X</div> | FT FROM THRESHOLD  | DISPLACED THRESHOLD DISTANCE |
| ON CENTERLINE    | <div>X</div> | FT FROM CENTERLINE |                              |

CRITICAL TEMPERATURES

| <u>CRITICAL LOW</u> | <u>CRITICAL HIGH</u> | <u>ACT</u> | <u>APT ISA</u> |
|---------------------|----------------------|------------|----------------|
| -19C                | +54C                 | -19C       | +10.87C        |

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 1049 HIGH TEMP 1297.

"VISUAL PORTION OF FINAL" PENETRATIONS

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



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

TAA NOT DEVELOPED PER ATC.

BACKUP ALTIMETER NOTE: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TRI ALTIMETER SETTING AND INCREASE LPV DA TO 2571 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 2802 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT B/C/D 1/4 SM, AND CIRCLING VISIBILITY CAT A/B/C 1/2 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING TRI ALTIMETER SETTING, INCREASE LPV CAT A/B VISIBILITY TO 1 3/8 SM, LNAV/VNAV TO 2 SM AND LNAV CAT C/D TO 2 1/2 SM.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING TRI ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2 APPLIED TO 2687 AAO 364442.00N/0815700.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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                 | 4.01   |
| WIDTH OF        | FINAL | SEGMENT AT 1000FT POINT         | 1.20   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1000FT POINT | 236.10 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 2500   |
| DISTANCE FROM   | THLD  | TO 1500FT POINT                 | 5.48   |
| WIDTH OF        | FINAL | SEGMENT AT 1500FT POINT         | 2.13   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1500FT POINT | 236.10 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1500FT POINT | 2500   |

|                                            |                                     |
|--------------------------------------------|-------------------------------------|
| THRESHOLD COORDINATES (IF STR-IN)          | 364125.92N/0820137.22W              |
| ARP COORDINATES                            | 364110.73N/0820205.22W              |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 6 DISTANCE 0.45 NM           |
| FAF COORDINATES                            | 364426.85N/0815603.20W              |
| FIX NAME COORDINATES                       | IF/IAF KURRU 364803.76N/0814921.78W |

REMARKS

PART E: PREPARED BY

|                              |          |            |                                     |
|------------------------------|----------|------------|-------------------------------------|
| NAME                         | OFFICE   | DATE       | TITLE                               |
| ERIC N SUSKI (JUDITH TUTTLE) | AJV-A431 | 03/28/2024 | AERONAUTICAL INFORMATION SPECIALIST |

