

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23**

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><br>OTZ/PAOT  | <u>PROCEDURE NAME</u><br>VOR RWY 27 | <u>ORIGINAL/AMENDMENT</u><br>1  | <u>CITY</u><br>KOTZEBUE                   | <u>STATE</u><br>AK         |
| <u>AIRPORT ELEVATION</u><br>15 | <u>TDZE</u><br>15                   | <u>SUPERSEDED</u><br>VOR RWY 27 | <u>ORIGINAL/AMENDMENT</u><br>ORIG-B       | <u>DATED</u><br>01/03/2019 |
| <u>FACILITY</u><br>OTZ         | <u>COORDINATES OF FACILITIES</u>    | <u>ACTUAL EFFECTIVE DATE</u>    | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>MAG VAR</u><br>9E       |
|                                |                                     |                                 |                                           | <u>EPOCH YEAR</u><br>2025  |
|                                |                                     |                                 |                                           | <u>CANCEL/SUSPEND</u>      |

**TERMINAL ROUTES**

| FROM                      | FIX TYPE | TO                  | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE        | DISTANCE         | ALTITUDE |
|---------------------------|----------|---------------------|----------|----------|-------|-----|---------------|------------------|----------|
| OTZ VOR/DME               |          | ZOTOR/OTZ 12.00 DME |          |          |       |     | 082.81        | 12.00            | 2600     |
| JUMAS/R-121/12.00 DME CCW | IAF      | ZOTOR/OTZ 12.00 DME | NOPT     |          |       |     | 12.00 DME ARC | (OTZ LR-093)     | 1700     |
| ZOTOR/12.00 DME           | IF/IAF   | LOTIC/OTZ 3.73 DME  |          |          |       |     | 262.81        | 8.27 (OTZ R-083) | 1600     |

**MISSED APPROACH**

**MAP:**

OTZ VOR/DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 2000 DIRECT OTZ VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- |    |                                                                                             |                |          |                    |                  |       |                        |
|----|---------------------------------------------------------------------------------------------|----------------|----------|--------------------|------------------|-------|------------------------|
| 1. | PT                                                                                          | SIDE OF COURSE | OUTBOUND | FT WITHIN          | MILES OF         | (IAF) |                        |
| 2. | HOLD E ZOTOR/OTZ 12.00 DME, RT, 262.81 INBOUND, 1700 FT. IN LIEU OF PT (IF/IAF), MAX 14000. |                |          |                    |                  |       |                        |
| 3. | FAC:                                                                                        | 262.82         | FAF:     | LOTIC/OTZ 3.73 DME | DIST FAF TO MAP: |       | DIST FAF TO THLD: 4.39 |
| 4. | MIN ALT: ZOTOR/OTZ 12.00 DME 1700, LOTIC/OTZ 3.73 DME 1600, INIYU/OTZ 1.28 DME 740          |                |          |                    |                  |       |                        |
| 8. | MSA FROM: OTZ VOR/DME 090-270 1600, 270-360 3300, 360-090 3700                              |                |          |                    |                  |       |                        |



**PBN REQUIREMENTS NOTE:**

DME REQUIRED.

**NOTES:**

CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: CIRCLING TO RWY 18, 36 NA AT NIGHT.

CHART NOTE: STRAIGHT IN RWY 27 AT NIGHT, CIRCLING RWY 27 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE GLIDEPATH UNTIL THRESHOLD.

**ADDITIONAL FLIGHT DATA:**

HOLD SE, RT, 294.60 INBOUND.

CHART FAS OBST: 163 TOWER (02-000042) 665404N/1623346W.

391 AAO 665412N/1622148W.

CHART OTZ R-121 AT JUMAS.

CHART CIRCLING ICON.

LOTIC TO RW27: 3.30/46.1.

**MINIMUMS:**

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

| 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 |
| S-27       | 440    | 1   | 425     | 440    | 1   | 425     | 440    | 1 1/4 | 425     | 440    | 1 1/4 | 425     |        |     |         |
| CIRCLING   | 520    | 1   | 505     | 520    | 1   | 505     | 720    | 2     | 705     | 720    | 2 1/4 | 705     |        |     |         |

**CHANGES - REASONS**

1. TERMINAL ROUTE: ADDED "OTZ VOR/DME TO ZOTOR/OTZ 12.00 DME, COURSE 082.81, DISTANCE 12.00, ALTITUDE 2600" – ADDED PER REQUEST OF ATC.
2. TERMINAL ROUTE: CHANGED FROM "JUMAS/R-115/12.00 DME CCW IAF TO ZOTOR/12.00 DME, DISTANCE (OTZ LR-087), ALTITUDE 1600" TO "JUMAS/R-121/12.00 DME CCW IAF TO ZOTOR/OTZ 12.00 DME, DISTANCE (OTZ LR-093), ALTITUDE 1700". – OTZ VOR/DME MAGVAR UPDATE AND NEW CONTROLLING OBSTACLE.
3. TERMINAL ROUTE: REMOVED "MUNUE/R-066/12.00 DME CW IAF TO ZOTOR/12.00 DME, FIX TYPE NOT, COURSE 12.00 DME ARC, ALTITUDE 1600". – REMOVED PER ATC REQUEST.
4. TERMINAL ROUTE: CHANGED FROM "ZOTOR/12.00 DME TO LOTIC/3.50 DME, COURSE 256.81, DISTANCE 8.50 (OTZ R-077)" TO "ZOTOR/12.00 DME TO LOTIC/3.73 DME, COURSE 262.81, DISTANCE 8.27 (OTZ R-083)" OTZ VOR/DME MAGVAR UPDATE AND FIX LOTIC MOVED 0.42 NM WEST.
5. PROFILE LINE 1: REMOVED PROCEDURE TURN DATA. – ATC REQUESTED TO REMOVE PROCEDURE TURN.
6. PROFILE LINE 2: ADDED "HOLD E ZOTOR/OTZ 12.00 DME, RT, 262.81 INBOUND, 1700 FT. IN LIEU OF PT (IF/IAF), MAX 14000". – ATC REQUESTED HILPT.
7. PROFILE LINE 3: CHANGED FROM "FAC: 256.81, FAF: LOTIC/3.50 DME, DIST FAF TO THLD: 4.16" TO "FAC: 262.82 FAF: LOTIC/OTZ 3.73 DME, DIST FAF TO THLD: 4.39". - OTZ VOR/DME MAGVAR UPDATE AND FIX LOTIC MOVED 0.42 NM WEST.
8. PROFILE LINE 4: CHANGED FROM "MIN ALT: LOTIC/3.50 DME 1600, INIYU/1.70 DME 920" TO "MIN ALT: ZOTOR/OTZ 12.00 DME 1700, LOTIC/OTZ 3.73 DME 1600, INIYU/OTZ 1.28 DME 740". – NEW CONTROLLING OBSTACLES.
9. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "CHART FAS OBST: 175 BUSH 665354N/1622726W." TO "CHART FAS OBST: 163 TOWER (02-000042) 665404N/1623346W." – NEW EVALUATION.
10. ADDITIONAL FLIGHT DATA: ADDED 7:1 OBSTACLE "391 AAO 665412N/1622148W". – NEW EVALUATION.
11. ADDITIONAL FLIGHT DATA: REMOVED "CHART OTZ R-066 AT MUNUE". – SEGMENT REMOVED.
12. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART OTZ R-115 AT JUMAS." TO "CHART OTZ R-121 AT JUMAS." – OTZ VOR/DME MAGVAR UPDATED.
13. ADDITIONAL FLIGHT DATA: ADDED "LOTIC TO RW27: 3.30/46.1" - IAW 8260.19I





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

| <u>AIRPORT ID</u><br>OTZ/PAOT | <u>PROCEDURE NAME</u><br>VOR RWY 27 | <u>AMDT NO.</u><br>1 | <u>CITY</u><br>KOTZEBUE | <u>STATE</u><br>AK | <u>AIRPORT ELEVATION</u><br>15 | <u>FACILITY</u><br>OTZ |
|-------------------------------|-------------------------------------|----------------------|-------------------------|--------------------|--------------------------------|------------------------|
|-------------------------------|-------------------------------------|----------------------|-------------------------|--------------------|--------------------------------|------------------------|

**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM** OTZ VOR/DME **TO** ZOTOR/OTZ 12.00 DME

| <u>RNP</u>         | <u>DISTANCE</u><br>12.00 | <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                | 665354.00N/1621857.00W   | 519             | 215         | 8           | 4B        | 2000       |            |           |             |                    | 2600           |
| TERRAIN            | 665354.00N/1621857.00W   | 318 (300)       |             |             |           |            |            |           |             | AS1500             | 1800           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL: ARC**

**FROM** JUMAS/R-121/12.00 DME CCW **TO** ZOTOR/OTZ 12.00 DME

| <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> |
| AAO                | 664515.00N/1620224.00W | 433             | 215         | 8           | 4B         | 1000       |            |           |             |                    | 1500           |
| TERRAIN            | 664515.00N/1620224.00W | 232 (200)       |             |             |            |            |            |           |             | AS1500             | 1700           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



INTERMEDIATE

FROM

ZOTOR/12.00 DME (IF/IAF)

TO

LOTIC/OTZ 3.73 DME

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|--------------------|----------------|
|                    | 8.27                   |                 |             |             |            |            |             |           |             |                    |                |
| <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                | 665354.00N/1621857.00W | 519             | 215         | 8           | 4B         | 500        |             |           |             | DG581              | 1600           |
| TERRAIN            | 665354.00N/1621857.00W | 318 (300)       |             |             |            |            |             |           |             | AS1000             | 1300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM

LOTIC/OTZ 3.73 DME

TO

INIYU/OTZ 1.28 DME

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|--------------------|----------------|
|                    | 2.45                   |                 |             |             |            |            |             |           |             |                    |                |
| <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                | 665409.00N/1622424.00W | 365             | 215         | 8           | 4B         | 250        |             |           |             | RA120              | 740            |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: STEPDOWN

FROM

INIYU/OTZ 1.28 DME

TO

OTZ VOR/DME

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
|                    | 1.70                   |                 | OTZ VOR/DME |             |           |            | 425        |             |             |                    |                |
| <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 (02-000042)  | 665403.98N/1623345.77W | 163             | 20          | 3           | 1A        | 250        |            |             |             | DG27               | 440            |

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

ZOTOR/OTZ 12.00 DME

TO

P-4

| <u>RNP</u>          | <u>DISTANCE</u> |             |             |            | <u>PAT</u><br>P-4 | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |                      |             |                |                               |
|---------------------|-----------------|-------------|-------------|------------|-------------------|------------|------------|-------------|----------------------|-------------|----------------|-------------------------------|
| <u>COMPUTATIONS</u> | <u>ALT</u>      | <u>KIAS</u> | <u>KTAS</u> | <u>HAA</u> | <u>VKTW</u>       | <u>TR</u>  | <u>BA</u>  | <u>DTA</u>  | <u>COURSE CHANGE</u> | <u>DVEB</u> | <u>VEB OCS</u> | <u>RF CENTER FIX/DISTANCE</u> |

SEGMENT REMARKS:

MISSED APPROACH

FROM

OTZ VOR/DME

TO

OTZ VOR/DME

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u><br>190 |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|--------------------|-------------|--------------------|----------------|
| <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        |                    |             |                    | 2000           |
| TOWER (02-000590)  | 665019.62N/1623415.05W | 410             | 20          | 3           | 1A        | 1000       |            |                    |             |                    | 1500           |
| TERRAIN            | 665033.00N/1622818.00W | 167 (200)       |             |             |           |            |            |                    |             | AS1500             | 1700           |

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 (02-000668) | 665129.80N/1623650.84W | 1.30   | 505 | 218      | 20   | 3    | 1A | 300 |     |             | 520     |
| CATEGORY B        |                        |        |     |          |      |      |    |     |     |             |         |
| TOWER (02-000668) | 665129.80N/1623650.84W | 1.81   | 505 | 218      | 20   | 3    | 1A | 300 |     |             | 520     |
| CATEGORY C        |                        |        |     |          |      |      |    |     |     |             |         |
| TOWER (02-000590) | 665019.62N/1623415.05W | 2.84   | 705 | 410      | 20   | 3    | 1A | 300 |     |             | 720     |
| CATEGORY D        |                        |        |     |          |      |      |    |     |     |             |         |
| TOWER (02-000590) | 665019.62N/1623415.05W | 3.70   | 705 | 410      | 20   | 3    | 1A | 300 |     |             | 720     |

CIRCLING REMARKS:

MSA

| CENTER      | RADIUS |
|-------------|--------|
| OTZ VOR/DME | 25     |

| SECTOR  | OBSTRUCTION | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 090-270 | AAO         | 665354.00N/1621857.00W | 073     | 05.4     | 518      | 215  | 8    | 4B | 1000 |     |             | 1600    |
| 270-360 | AAO         | 670957.00N/1630300.00W | 316     | 20.7     | 2208     | 215  | 8    | 4B | 1000 |     |             | 3300    |
| 360-090 | AAO         | 671109.00N/1615251.00W | 031     | 23.8     | 2615     | 215  | 8    | 4B | 1000 |     |             | 3700    |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

15FT VEGETATION AND 50FT BARGES USED PER FPT, FPT ADVISES THAT THE SHIP HEIGHTS INCREASE TO 208FT BEYOND 5NM FROM SHORELINE.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, OTZ FSS

|                                                  |                                         |                                              |                                                 |                                      |                                   |                                       |
|--------------------------------------------------|-----------------------------------------|----------------------------------------------|-------------------------------------------------|--------------------------------------|-----------------------------------|---------------------------------------|
| <div>WX SERVICE</div> <div>ASOS</div>            | <div>LOCATION</div> <div>OTZ/PAOT</div> | <div>HRS OPERATION</div> <div>0 / yes</div>  | <div>ALTIMETER SOURCE</div> <div>OTZ/PAOT</div> | <div>DISTANCE</div> <div>0</div>     | <div>SERVICE-A</div> <div>Y</div> | <div>ADJUSTMENTS</div> <div>0</div>   |
| <div>BACK-UP WX SERVICE</div> <div>AWOS-3P</div> | <div>LOCATION</div> <div>WTK/PAWN</div> | <div>HRS OPERATION</div> <div>24 / yes</div> | <div>ALTIMETER SOURCE</div> <div>WTK/PAWN</div> | <div>DISTANCE</div> <div>41.57</div> | <div>SERVICE-A</div> <div>Y</div> | <div>ADJUSTMENTS</div> <div>108</div> |

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
PAOT 15, PAWN 92  
RA = 107.3.

|                                                  |                                             |                                        |                             |
|--------------------------------------------------|---------------------------------------------|----------------------------------------|-----------------------------|
| <div>PRIMARY NAVAID</div> <div>OTZ VOR/DME</div> | <div>MONITOR POINT</div> <div>ANC SOC</div> | <div>HRS OPERATION</div> <div>24</div> | <div>CAT</div> <div>1</div> |
|--------------------------------------------------|---------------------------------------------|----------------------------------------|-----------------------------|

|                                                   |                            |                                |
|---------------------------------------------------|----------------------------|--------------------------------|
| <div>APPROACH AND RUNWAY LIGHTING SYSTEM</div>    | <div>RUNWAY MARKINGS</div> | <div>RUNWAY VISUAL RANGE</div> |
| <div>RW36 - MIRL (PCL)</div>                      |                            |                                |
| <div>RW18 - MIRL (PCL)</div>                      |                            |                                |
| <div>RW27 - REIL (PCL), HIRL (PCL), PAPI-4L</div> | <div>NPI-F</div>           | <div>ROLL OUT</div>            |
| <div>RW09 - HIRL (PCL), REIL (PCL), PAPI-4R</div> | <div>PIR-F</div>           | <div>APPROACH</div>            |

|                             |                               |                |                            |                              |                                       |                                |
|-----------------------------|-------------------------------|----------------|----------------------------|------------------------------|---------------------------------------|--------------------------------|
| <div>GLIDESLOPE ANGLE</div> | <div>ELEV RWY THRESHOLD</div> | <div>TCH</div> | <div>ELEV GS ANTENNA</div> | <div>DISTANCE FROM RWY</div> | <div>VGSI ANGLE</div> <div>3.30</div> | <div>TCH</div> <div>46.1</div> |
|-----------------------------|-------------------------------|----------------|----------------------------|------------------------------|---------------------------------------|--------------------------------|

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

|                         |                          |                |                    |
|-------------------------|--------------------------|----------------|--------------------|
| <div>CRITICAL LOW</div> | <div>CRITICAL HIGH</div> | <div>ACT</div> | <div>APT ISA</div> |
|-------------------------|--------------------------|----------------|--------------------|

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

|                                                                      |                                                                      |
|----------------------------------------------------------------------|----------------------------------------------------------------------|
| <div>FINAL TYPE</div>                                                | <div>CIRCLING RWY 18</div>                                           |
| <div>20:1</div>                                                      |                                                                      |
| <div>26 TRAVERSE_WAY (02-272228) 665309.59N/1623629.94W (7.24)</div> | <div>21 TRAVERSE_WAY (02-259137) 665308.52N/1623628.53W (6.85)</div> |
| <div>20 TRAVERSE_WAY (02-122858) 665309.35N/1623626.46W (0.76)</div> |                                                                      |
| <div>FINAL TYPE</div>                                                | <div>CIRCLING RWY 36</div>                                           |



| AIRPORT ID<br>OTZ/PAOT                                     |                | PROCEDURE NAME<br>VOR RWY 27 | AMDT NO.<br>1 | CITY<br>KOTZEBUE                                           | STATE<br>AK | AIRPORT ELEVATION<br>15 | FACILITY<br>OTZ |
|------------------------------------------------------------|----------------|------------------------------|---------------|------------------------------------------------------------|-------------|-------------------------|-----------------|
| 20:1                                                       |                |                              |               |                                                            |             |                         |                 |
| 25 TRAVERSE_WAY (02-111378) 665227.36N/1623702.58W (11.56) |                |                              |               | 25 TRAVERSE_WAY (02-095332) 665226.93N/1623702.87W (9.30)  |             |                         |                 |
| 20 TRAVERSE_WAY (02-071540) 665226.87N/1623653.39W (8.56)  |                |                              |               | 15 TERRAIN (02-115835) 665227.76N/1623702.35W (3.65)       |             |                         |                 |
| FINAL TYPE                                                 | CIRCLING RWY 9 |                              |               |                                                            |             |                         |                 |
| 20:1                                                       |                |                              |               |                                                            |             |                         |                 |
| 25 TRAVERSE_WAY (02-176598) 665324.11N/1623637.78W (1.62)  |                |                              |               | 25 TRAVERSE_WAY (02-176603) 665324.33N/1623637.81W (1.33)  |             |                         |                 |
| 25 TRAVERSE_WAY (02-176606) 665324.53N/1623637.88W (0.98)  |                |                              |               | 25 TRAVERSE_WAY (02-263568) 665321.65N/1623639.89W (0.04)  |             |                         |                 |
| FINAL TYPE                                                 | VOR            |                              |               |                                                            |             |                         |                 |
| 20:1                                                       |                |                              |               |                                                            |             |                         |                 |
| 61 TRAVERSE_WAY (02-083356) 665310.69N/1623343.77W (16.82) |                |                              |               | 60 TRAVERSE_WAY (02-101218) 665310.09N/1623344.56W (16.74) |             |                         |                 |
| 50 TRAVERSE_WAY (02-272153) 665306.63N/1623351.17W (16.06) |                |                              |               | 61 TRAVERSE_WAY (02-113048) 665305.54N/1623345.88W (15.58) |             |                         |                 |
| 62 TRAVERSE_WAY (02-101219) 665305.38N/1623344.80W (14.31) |                |                              |               | 84 TRAVERSE_WAY (02-071426) 665304.09N/1623333.89W (13.64) |             |                         |                 |
| 49 TRAVERSE_WAY (02-113164) 665308.75N/1623349.29W (13.59) |                |                              |               | 43 TRAVERSE_WAY (02-072005) 665307.34N/1623352.00W (11.42) |             |                         |                 |
| 53 TERRAIN (02-090659) 665309.61N/1623343.72W (7.60)       |                |                              |               | 50 TERRAIN (02-071448) 665310.14N/1623344.83W (7.32)       |             |                         |                 |
| 52 TERRAIN (02-098938) 665308.06N/1623344.59W (6.69)       |                |                              |               | 48 TERRAIN (02-262077) 665309.72N/1623345.70W (6.58)       |             |                         |                 |
| 89 TERRAIN (02-071434) 665309.66N/1623324.39W (5.87)       |                |                              |               | 35 TRAVERSE_WAY (02-072003) 665307.29N/1623353.22W (5.75)  |             |                         |                 |
| 55 TERRAIN (02-262081) 665308.66N/1623342.24W (5.72)       |                |                              |               | 51 TERRAIN (02-263144) 665305.45N/1623345.98W (5.69)       |             |                         |                 |
| 81 TERRAIN (02-118569) 665309.77N/1623328.30W (5.63)       |                |                              |               | 61 TERRAIN (02-071452) 665308.51N/1623339.19W (5.60)       |             |                         |                 |
| 71 TERRAIN (02-262073) 665309.83N/1623333.36W (5.58)       |                |                              |               | 41 TERRAIN (02-072007) 665306.99N/1623350.22W (5.58)       |             |                         |                 |
| 61 TERRAIN (02-111602) 665310.38N/1623338.18W (5.57)       |                |                              |               | 70 TERRAIN (02-079831) 665309.19N/1623334.20W (5.55)       |             |                         |                 |
| 40 TERRAIN (02-072006) 665306.58N/1623350.89W (5.46)       |                |                              |               | 47 TERRAIN (02-263143) 665305.79N/1623347.66W (5.32)       |             |                         |                 |
| 53 TERRAIN (02-176600) 665310.20N/1623342.06W (4.97)       |                |                              |               | 36 TERRAIN (02-072004) 665306.56N/1623352.69W (4.96)       |             |                         |                 |
| 37 TERRAIN (02-116281) 665306.69N/1623352.07W (4.88)       |                |                              |               | 55 TERRAIN (02-176601) 665307.61N/1623342.29W (4.72)       |             |                         |                 |
| 90 TERRAIN (02-071831) 665302.84N/1623326.89W (4.65)       |                |                              |               | 36 TRAVERSE_WAY (02-106046) 665307.56N/1623352.00W (4.65)  |             |                         |                 |
| 70 TERRAIN (02-071424) 665306.04N/1623335.38W (4.58)       |                |                              |               | 60 TERRAIN (02-105918) 665307.40N/1623339.77W (4.58)       |             |                         |                 |
| 52 TERRAIN (02-176579) 665306.43N/1623344.08W (3.99)       |                |                              |               | 37 TRAVERSE_WAY (02-262643) 665308.76N/1623350.43W (3.83)  |             |                         |                 |
| 49 TERRAIN (02-262648) 665307.67N/1623344.85W (3.79)       |                |                              |               | 48 TERRAIN (02-176625) 665305.62N/1623346.36W (3.61)       |             |                         |                 |
| 39 TERRAIN (02-116282) 665308.79N/1623349.26W (3.57)       |                |                              |               | 90 TERRAIN (02-093696) 665310.04N/1623322.05W (2.69)       |             |                         |                 |
| 98 TERRAIN (02-118509) 665302.63N/1623321.88W (2.64)       |                |                              |               | 106 TERRAIN (02-071366) 665301.83N/1623317.30W (0.86)      |             |                         |                 |
| 29 TERRAIN (02-119374) 665306.95N/1623353.70W (0.34)       |                |                              |               |                                                            |             |                         |                 |
| FINAL TYPE                                                 | VOR            |                              |               |                                                            |             |                         |                 |
| 34:1                                                       |                |                              |               |                                                            |             |                         |                 |
| 114 TERRAIN (02-071377) 665301.38N/1623311.79W (39.20)     |                |                              |               | 111 TERRAIN (02-071374) 665301.42N/1623312.29W (36.80)     |             |                         |                 |
| 152 NAVAID (02-116139) 665308.46N/1623223.77W (26.33)      |                |                              |               | 87 TERRAIN (02-095501) 665307.97N/1623319.25W (24.81)      |             |                         |                 |
| 75 TERRAIN (02-071429) 665306.85N/1623329.84W (24.30)      |                |                              |               | 75 TERRAIN (02-122459) 665307.20N/1623329.65W (24.30)      |             |                         |                 |

| <u>AIRPORT ID</u><br>OTZ/PAOT                          | <u>PROCEDURE NAME</u><br>VOR RWY 27 | <u>AMDT NO.</u><br>1 | <u>CITY</u><br>KOTZEBUE | <u>STATE</u><br>AK                                     | <u>AIRPORT ELEVATION</u><br>15 | <u>FACILITY</u><br>OTZ |
|--------------------------------------------------------|-------------------------------------|----------------------|-------------------------|--------------------------------------------------------|--------------------------------|------------------------|
| 104 TERRAIN (02-071304) 665301.30N/1623307.18W (23.85) |                                     |                      |                         | 100 TERRAIN (02-262646) 665303.16N/1623309.02W (23.10) |                                |                        |
| 79 TERRAIN (02-071832) 665305.49N/1623325.45W (22.42)  |                                     |                      |                         | 90 TERRAIN (02-262079) 665305.29N/1623315.33W (21.66)  |                                |                        |
| 78 TERRAIN (02-071833) 665306.47N/1623324.92W (21.41)  |                                     |                      |                         | 147 TOWER (02-000435) 665308.46N/1623223.79W (21.35)   |                                |                        |
| 87 TERRAIN (02-113438) 665307.76N/1623315.94W (20.88)  |                                     |                      |                         | 101 TERRAIN (02-095219) 665300.98N/1623307.37W (20.87) |                                |                        |
| 83 TERRAIN (02-093697) 665305.19N/1623320.74W (20.82)  |                                     |                      |                         | 95 TERRAIN (02-086020) 665306.41N/1623309.64W (20.81)  |                                |                        |
| 92 TERRAIN (02-071372) 665304.51N/1623312.86W (20.35)  |                                     |                      |                         | 100 TERRAIN (02-079471) 665304.95N/1623305.31W (19.93) |                                |                        |
| 88 TERRAIN (02-071367) 665305.76N/1623315.09W (19.68)  |                                     |                      |                         | 101 TERRAIN (02-105404) 665304.26N/1623304.24W (19.28) |                                |                        |
| 90 TERRAIN (02-071373) 665307.21N/1623309.51W (16.15)  |                                     |                      |                         | 93 TERRAIN (02-093594) 665306.88N/1623305.40W (14.22)  |                                |                        |
| 37 TERRAIN (02-176623) 665310.42N/1623344.78W (5.67)   |                                     |                      |                         | 31 TERRAIN (02-122665) 665308.93N/1623349.74W (4.46)   |                                |                        |
| 120 TERRAIN (02-091406) 665306.51N/1623232.82W (3.54)  |                                     |                      |                         | 84 TERRAIN (02-120091) 665306.72N/1623303.54W (2.98)   |                                |                        |
| 124 TERRAIN (02-123243) 665308.68N/1623227.48W (2.73)  |                                     |                      |                         | 34 TERRAIN (02-176624) 665309.83N/1623344.98W (2.54)   |                                |                        |
| 117 TERRAIN (02-091405) 665308.21N/1623232.82W (1.58)  |                                     |                      |                         | 25 TERRAIN (02-101888) 665307.34N/1623352.70W (0.89)   |                                |                        |
| <u>PENETRATIONS REMARKS:</u>                           |                                     |                      |                         |                                                        |                                |                        |
|                                                        |                                     |                      |                         |                                                        |                                |                        |
|                                                        |                                     |                      |                         |                                                        |                                |                        |

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

and/or

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

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

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CONTINGENCY BACKUP ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NOATAK ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET AND S-27 VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/2 SM.

APPROVAL LETTER ON FILE TO MITIGATE VISUAL SURFACE PENETRATIONS ON RWY 27 USING THE INSTALLED VGSI.

ORDER 8260.3 CHAPTER 2 APPLIED TO 391 AAO 665412.00N/1622148.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



|                               |                                     |                      |                         |                    |                                |                        |
|-------------------------------|-------------------------------------|----------------------|-------------------------|--------------------|--------------------------------|------------------------|
| <u>AIRPORT ID</u><br>OTZ/PAOT | <u>PROCEDURE NAME</u><br>VOR RWY 27 | <u>AMDT NO.</u><br>1 | <u>CITY</u><br>KOTZEBUE | <u>STATE</u><br>AK | <u>AIRPORT ELEVATION</u><br>15 | <u>FACILITY</u><br>OTZ |
|-------------------------------|-------------------------------------|----------------------|-------------------------|--------------------|--------------------------------|------------------------|

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                 | 3.06   |
| WIDTH OF        | FINAL        | SEGMENT AT 1000FT POINT         | 2.31   |
| TRUE COURSE OF  | FINAL        | SEGMENT CONTAINING 1000FT POINT | 271.81 |
| HIGH TERRAIN IN | FINAL        | SEGMENT CONTAINING 1000FT POINT | 200    |
| DISTANCE FROM   | THLD         | TO 1500FT POINT                 | 12.66  |
| WIDTH OF        | INTERMEDIATE | SEGMENT AT 1500FT POINT         | 4.00   |
| TRUE COURSE OF  | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 271.81 |
| HIGH TERRAIN IN | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 300    |

THRESHOLD COORDINATES (IF STR-IN)

665309.70N/1623404.14W

ARP COORDINATES

665305.30N/1623553.30W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 36 DISTANCE 0.73 NM

FAF COORDINATES

665301.09N/1622256.47W

FIX NAME COORDINATES

IF/IAF ZOTOR 665242.88N/1620159.59W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

|                     |               |             |                                     |
|---------------------|---------------|-------------|-------------------------------------|
| <u>NAME</u>         | <u>OFFICE</u> | <u>DATE</u> | <u>TITLE</u>                        |
| CHRISTOPHER SCHONES | AJV-A432      | 03/01/2024  | AERONAUTICAL INFORMATION SPECIALIST |

