# FEDERAL AVIATION ADMINISTRATION
# FLIGHT STANDARDS SERVICE
# RNAV (RNP) 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.

| AIRPORT ID | PROCEDURE NAME | ORIGINAL/AMENDMENT | CITY | STATE |
|---|---|---|---|---|
| SLC | RNAV (RNP) Z RWY 34R | ORIG | SALT LAKE CITY | UT |

| AIRPORT ELEVATION | TDZE | SUPERSEDED | ORIGINAL/AMENDMENT | DATED | MAG VAR | EPOCH YEAR |
|---|---|---|---|---|---|---|
| 4231 | 4225 | | NONE | | 11E | 2020 |

| FACILITY | COORDINATES OF FACILITIES | ACTUAL EFFECTIVE DATE | REQUIRED EFFECTIVE DATE | CANCEL/SUSPEND |
|---|---|---|---|---|
| RNAV | | | ROUTINE | |

**TERMINAL ROUTES**

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|
| JAZZZ | IAF | CINDR | | TF | FB | 1.00 | 321.40 | 5.23 | 11000 |
| CINDR | | ALGIE | | TF | FB | 1.00 | 343.98 | 3.25 | 10000 |
| QWENN | IAF | ALGIE | | TF | FB | 1.00 | 355.43 | 5.18 | 10000 |
| ALGIE | IF | HAKKR | | TF | FB | 1.00 | 343.98 | 3.14 | 9000 |
| HAKKR | | CHEVL | PFAF | TF | FB | 1.00 | 343.98 | 9.12 | 6100 |
| CHEVL | PFAF | RW34R | MAP | TF | FO | 0.30 | 343.97 | 5.72 | |
| RW34R | MAP | 4546 MSL | | CA | | | 343.97 | | |
| 4546 MSL | | TCH VORTAC | | DF | FB | 1.00 | | | |
| TCH VORTAC | | OGD VORTAC | | TF | FO | 1.00 | 335.78 | 23.03 | 9000 |

**MISSED APPROACH**

**MAP:**
RNP: DA

**MISSED APPROACH INSTRUCTIONS:**
CLIMB TO 9000 DIRECT TCH VORTAC AND ON TRACK 335.78 TO OGD VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. PROFILE STARTS AT ALGIE
3. **FAC:** 343.97 **PFAF:** CHEVL **DIST PFAF TO MAP:** **DIST PFAF TO THLD:**
4. **MIN ALT:** ALGIE 10000, HAKKR 9000, CHEVL 6100
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **321 HAT:** 0.84 **GS ANT:**
6. **MIN GP INCPT:** 6100 **GP ALT AT PFAF:** CHEVL 6100 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 55.2
8. **MSA FROM:** RW34R 13000

QUALITY 34 CHECKED

**PBN REQUIREMENTS NOTE:**

RNP AR APCH – GPS. AUTHORIZATION REQUIRED.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART SPEED ICON IN PLANVIEW AT JAZZZ: MAX 230 KIAS.
CHART SPEED ICON IN PLANVIEW AT QWENN: MAX 230 KIAS.

**ADDITIONAL FLIGHT DATA:**

CHART R-6412 A/B/C/D.
CHART MADATORY 11000 AT QWENN
CHART AT OR ABOVE 12000 AT JAZZZ
HOLD NW, RT, 126.00 INBOUND.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD

| 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 |
| AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.10 DA | 4546 | 2600 | 321 | 4546 | 2600 | 321 | 4546 | 2600 | 321 | 4546 | 2600 | 321 | | | |
| RNP 0.30 DA | 4609 | 3500 | 384 | 4609 | 3500 | 384 | 4609 | 3500 | 384 | 4609 | 3500 | 384 | | | |

**CHANGES - REASONS**

ORIGINAL.

**COORDINATED WITH:**

**A4A** X **ALPA** X **AOPA** X **APA** X **HAI** ☐ **NBAA** X **OTHER:** ZLC,SLC, ATCT, UT AERO, AMGR

| | | | | |
|---|---|---|---|---|
| **FLIGHT CHECKED BY** ANTHONY D VALLERA | *Digitally signed by* ***ROBERT G HAMILTON*** Jan 13, 2025 | **OFFICE** AJF | **DATE** 01/07/2025 | |
| **DEVELOPED BY** JOSEPH BLANCO | *Digitally signed by* ***JOSEPH A BLANCO*** Oct 11, 2024 | **OFFICE** AJV-A432 | **DATE** 08/26/2024 | |
| **APPROVED BY** BEV L BORDY | *Digitally signed by* ***CASIMIR L TABAKA*** Oct 21, 2024 | **OFFICE** AJV-A430 | **DATE** | **TITLE** MANAGER |

QUALITY 34 CHECKED

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

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| SLC | RNAV (RNP) Z RWY 34R | ORIG | SALT LAKE CITY | UT | 4231 | RNAV |

**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

| FROM | TO |
|---|---|
| JAZZZ | CINDR |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 1.00 | 5.23 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 402503.00N/1115833.00W | 6349 | 215 | 8 | 4B | 1000 | | | | AT3463 PR180 AC8 | 11000 |
| TERRAIN | 402445.00N/1115827.00W | 5954 (6000) | | | | | | | | AS1500 | 7500 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL STEPDOWN**

| FROM | TO |
|---|---|
| CINDR | ALGIE |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 1.00 | 3.25 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 402503.00N/1115833.00W | 6349 | 215 | 8 | 4B | 1000 | | | | PR200 AT2443 AC8 | 10000 |
| TERRAIN | 402627.00N/1115833.00W | 6145 (6100) | | | | | | | | AS1500 | 7600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| SLC | RNAV (RNP) Z RWY 34R | ORIG | SALT LAKE CITY | UT | 4231 | RNAV |

**INITIAL**

| FROM | TO |
|---|---|
| QWENN | ALGIE |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 1.00 | 5.18 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 402545.00N/1115918.00W | 6687 | 215 | 8 | 4B | 1000 | | | | PR190 AT2115 AC8 | 10000 |
| TERRAIN | 402545.00N/1115918.00W | 6486 (6500) | | | | | | | | AS1500 | 8000 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE**

| FROM | TO |
|---|---|
| ALGIE | HAKKR |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 1.00 | 3.14 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 402751.00N/1115336.00W | 6014 | 215 | 8 | 4B | 500 | | | | PR130 AT2348 AC8 | 9000 |
| TERRAIN | 402824.00N/1115854.00W | 5036 (5000) | | | | | | | | AS1500 | 6500 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| SLC | RNAV (RNP) Z RWY 34R | ORIG | SALT LAKE CITY | UT | 4231 | RNAV |

**INTERMEDIATE STEPDOWN**

| FROM | TO |
|---|---|
| HAKKR | CHEVL |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 1.00 | 9.12 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 403315.00N/1115930.00W | 5004 | 215 | 8 | 4B | 500 | | | | AC8 AT588 | 6100 |
| TERRAIN | 403321.00N/1115930.00W | 4799 (4800) | | | | | | | | AS1000 | 5800 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL**

| FROM | TO |
|---|---|
| CHEVL | RW34R |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 0.30 | 5.72 | | DA | 384 | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOWER (49-048130) | 404537.90N/1115820.30W | 4295 | 250 | 50 | 4D | | 20.44:1 | | | AC50 | 4609 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| SLC | RNAV (RNP) Z RWY 34R | ORIG | SALT LAKE CITY | UT | 4231 | RNAV |

**FINAL**

| FROM | TO |
|---|---|
| CHEVL | RW34R |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 0.10 | 5.72 | | DA | 321 | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOWER (49-048130) | 404537.90N/1115820.30W | 4295 | 250 | 50 | 4D | | 20.47:1 | | | AC50 | 4546 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH: LEVEL SURFACE**

| FROM | TO |
|---|---|
| DA | OGD VORTAC |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 0.30-1.00 | | | | | 4448 |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ASC | | | | 9000 |
| TOWER (49-066964) | 410820.30N/1120137.50W | 4653 | 250 | 50 | 4D | 1000 | | | | | 5700 |
| TERRAIN | 410739.00N/1120124.00W | 4593 (4600) | | | | | | | | AS1500 | 6100 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| SLC | RNAV (RNP) Z RWY 34R | ORIG | SALT LAKE CITY | UT | 4231 | RNAV |

**MISSED APPROACH: LEVEL SURFACE**

| FROM | TO |
|---|---|
| DA | OGD VORTAC |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| 0.10-1.00 | | | | | 4385 |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ASC | | | | 9000 |
| TOWER (49-066964) | 410820.30N/1120137.50W | 4653 | 250 | 50 | 4D | 1000 | | | | | 5700 |
| TERRAIN | 410739.00N/1120124.00W | 4593 (4600) | | | | | | | | AS1500 | 6100 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MSA**

| CENTER | RADIUS |
|---|---|
| RW34R | 25 |

| SECTOR | OBSTRUCTION | COORDINATES | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360-360 | AAO | 402327.00N/1113845.00W | 136 | 27.4 | 11929 | 215 | 8 | 4B | 1000 | | | 13000 |

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| SLC | RNAV (RNP) Z RWY 34R | ORIG | SALT LAKE CITY | UT | 4231 | RNAV |

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZLC ARTCC, SLC APP CON, SLC TOWER

| WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | SERVICE-A | ADJUSTMENTS |
|---|---|---|---|---|---|---|
| ASOS | SLC | 24 | SLC | 0 | Y | 0 |

| BACK-UP WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | SERVICE-A | ADJUSTMENTS |
|---|---|---|---|---|---|---|

**WX REMARKS:**

BACKUP ALTIMETER NOT REQUIRED. REDUNDANT WEATHER SOURCES ON AIRFIELD.

| PRIMARY NAVAID | MONITOR POINT | HRS OPERATION | CAT |
|---|---|---|---|

| APPROACH AND RUNWAY LIGHTING SYSTEM | RUNWAY MARKINGS | RUNWAY VISUAL RANGE |
|---|---|---|
| RW14 - HIRL, PAPI-4L | BSC-G | |
| RW32 - HIRL, PAPI-4L | BSC-G | |
| 01H | H-F | |
| 02H | H-F | |
| RW16L - ALSF-2, HIRL, C/LINE, TDZ, PAPI-4L | PIR-G | APPROACH, MIDPOINT, ROLL OUT |
| RW16R - ALSF-2, C/LINE, TDZ, HIRL, PAPI-4L | PIR-G | APPROACH, MIDPOINT, ROLL OUT |
| RW17 - MALSR, TDZ, C/LINE, HIRL, PAPI-4R | PIR-G | APPROACH, ROLL OUT |
| RW34L - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4L | PIR-G | APPROACH, MIDPOINT, ROLL OUT |
| RW34R - ALSF-2, HIRL, C/LINE, TDZ, PAPI-4L | PIR-G | APPROACH, MIDPOINT, ROLL OUT |
| RW35 - MALSR, C/LINE, TDZ, HIRL, PAPI-4L | PIR-G | APPROACH, ROLL OUT |

| GLIDESLOPE ANGLE | ELEV RWY THRESHOLD | TCH | ELEV GS ANTENNA | DISTANCE FROM RWY | VGSI ANGLE | TCH |
|---|---|---|---|---|---|---|
| 3.00 | 4224.3 | 55.2 | | | 3.00 | 73.0 |

**FINAL APPROACH COURSE AIMING**

| | | | |
|---|---|---|---|
| RUNWAY THRESHOLD | [X] | FT FROM THRESHOLD | DISPLACED THRESHOLD DISTANCE |
| ON CENTERLINE | [X] | FT FROM CENTERLINE | |

**CRITICAL TEMPERATURES**

| CRITICAL LOW | CRITICAL HIGH | ACT | APT ISA |
|---|---|---|---|
| -10C | +54C | -10C | +6.62C |

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2019-2023).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 1014 HIGH TEMP 1337.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

**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
VDP NOT PUBLISHED: NA RNP PROCEDURE
VEGETATION HEIGHT: 50 FT PER FPT

**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** | 3.52 |
| **WIDTH OF** | FINAL | **SEGMENT AT 1000FT POINT** | 1.20 |
| **TRUE COURSE OF** | FINAL | **SEGMENT CONTAINING 1000FT POINT** | 354.97 |
| **HIGH TERRAIN IN** | FINAL | **SEGMENT CONTAINING 1000FT POINT** | 4400 |
| **DISTANCE FROM** | THLD | **TO 1500FT POINT** | 9.43 |
| **WIDTH OF** | INTERMEDIATE | **SEGMENT AT 1500FT POINT** | 4.00 |
| **TRUE COURSE OF** | INTERMEDIATE | **SEGMENT CONTAINING 1500FT POINT** | 354.98 |
| **HIGH TERRAIN IN** | INTERMEDIATE | **SEGMENT CONTAINING 1500FT POINT** | 4800 |

| | |
|---|---|
| **THRESHOLD COORDINATES (IF STR-IN)** | 404628.72N/1115823.26W |
| **ARP COORDINATES** | 404718.22N/1115839.98W |
| **RUNWAY APCH END AND DIST FURTHEST FROM ARP** | RUNWAY 16R DISTANCE 1.52 NM |
| **FAF COORDINATES** | 404046.89N/1115743.69W |
| **FIX NAME COORDINATES** | |

**REMARKS**

NO ADDITIONAL AIRSPACE REQUIRED.

**PART E: PREPARED BY**

| NAME | OFFICE | DATE | TITLE |
|---|---|---|---|
| JOSEPH BLANCO | AJV-A432 | 08/26/2024 | AERONAUTICAL INFORMATION SPECIALIST |

QUALITY 34 CHECKED