

**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> SLC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SALT LAKE CITY	<u>STATE</u> UT
<u>AIRPORT ELEVATION</u> 4231	<u>TDZE</u> 4231	<u>SUPERSEDED</u> RNAV (GPS) RWY 16L	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 08/17/2017
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 NOVEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 11E
				<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

**TERMINAL ROUTES**

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 23-25.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OGD VORTAC	IAF	IRRON		TF	FB	1.00	131.22	6.06	10000
IRRON	IF	YAWVA		TF	FB	1.00	163.90	4.35	9000
YAWVA		LGOON		TF	FB	1.00	163.94	6.08	7500
LGOON		YYIPP		TF	FB	1.00	163.94	4.52	6000
YYIPP	FAF	RW16L	MAP	TF	FO	0.30	163.94	5.32	
RW16L	MAP	4431 MSL		CA			163.94		
4431 MSL		RULFO		DF	FB	1.00			
RULFO		FFU VORTAC		TF	FO	1.00	166.71	23.81	10000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW16L

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 10000 DIRECT RULFO AND ON TRACK 166.71 TO FFU VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT IRRON					
3. FAC: 163.94	FAF: YYIPP		DIST FAF TO MAP: 5.32	DIST FAF TO THLD: 5.32	
4. MIN ALT: IRRON 10000, YAWVA 9000, LGOON 7500, YYIPP 6000					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:
6. MIN GP INCPT: 6000	GP ALT AT FAF: YYIPP 6000			OM:	MM:
7. GP ANGLE: 3.04	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.0		IM:
8. MSA FROM: RW16L 12700					

QUALITY  
31  
CHECKED

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 45°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OGD VORTAC AIRWAY RADIALS 068 CW 153.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, INCREASE LNAV/VNAV CAT A VISIBILITY TO RVR 4500, INCREASE CATS C/D VISIBILITY TO RVR 5500, INCREASE CAT E VISIBILITY TO 6000, AND INCREASE LNAV CAT E VISIBILITY TO 1 1/2 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD S, RT, 340.00 INBOUND.  
CHART FAS OBST: 4445 ANTENNA (49-051436) 405106N/1115809W.  
CHART R-6412 A/B/C/D.  
CHART VDP AT 1.44 NM TO RW16L.  
WAAS CHANNEL # 70546  
REFERENCE PATH ID: W16B  
LTP HAE: 1272 M

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	4431	1800	200	4431	1800	200	4431	1800	200	4431	1800	200	4431	1800	200
LNAV/VNAV DA	4537	2400	306	4559	2600	328	4574	3000	343	4593	3500	362	4634	4000	403
LNAV MDA	4760	2400	529	4760	2400	529	4760	5500	529	4760	5500	529	4760	5500	529

CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM “4227” TO “4231” – UPDATED SURVEY.
2. TOUCHDOWN ZONE ELEVATION CHANGED FROM “4227” TO “4231” - UPDATED SURVEY.
3. TERMINAL ROUTES: SEGMENT OGD VORTAC TO IRRON, COURSE CHANGED FROM “131.23” TO “131.22” - NEW TARGETS EVALUATION VS IPDS.
4. TERMINAL ROUTES: SEGMENT RW16L TO 4627 MSL CHANGED TO “RW16L TO 4431 MSL” - ADDED LPV LINES OF MINIMA.
5. TERMINAL ROUTES: SEGMENT 4627 MSL TO RULFO CHANGED TO “4431 MSL TO RULFO” - LPV DA.
6. MISSED APPROACH: ADDED MAPS “LPV: DA” AND “LNAV/VNAV: DA” - ADDED VERTICALLY GUIDED LINES OF MINIMA.
7. PROFILE LINE 5: ADDED “200 HAT: 0.45” - NEW LPV LINE OF MINIMA.
8. PROFILE LINE 6: ADDED “MIN GP INCPT: 6000” AND “GP ALT AT PFAF: YYIPP 6000” - ADDED VERTICALLY GUIDED LINES OF MINIMA.
9. PROFILE LINE 7: ADDED “GP ANGLE: 3.04”, “20:1 IS CLEAR” AND “TCH: 55” - ADDED VERTICALLY GUIDED LINES OF MINIMA.
10. PROFILE LINE 8: CHANGED MSA FROM “RW16L 13000” TO “RW16L 12700” - NEW CONTROLLING OBSTACLE.
11. PBN REQUIREMENTS: CHANGED “DME/DME RNP-0.3 NA” TO “RNP APCH – GPS” - PBN FORMAT CHANGED.
12. NOTES: CHANGED FROM “CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT E VISIBILITY TO 2 SM” TO “FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, INCREASE LNAV/VNAV CAT A VISIBILITY TO RVR 4500, INCREASE CATS C/D VISIBILITY TO RVR 5500, INCREASE CAT E VISIBILITY TO 6000, AND INCREASE LNAV CAT E VISIBILITY TO 1 1/2 SM” - ADDED LPV LNAV/VNAV MINIMUMS AND NEW VISIBILITY TABLE FOR LNAV.
13. NOTES: ADDED “CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED” AND “CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS” - ADDED LPV LNAV/VNAV AND ATC REQUESTS SIMULTANEOUS OPERATIONS DURING ABSENCE OF ILS EQUIPMENT.
14. NOTES: CHANGED FROM “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OGD VORTAC AIRWAY RADIALS 068 CW 153.” TO “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OGD VORTAC AIRWAY RADIALS 068 CW 153.” - INITIAL OVER A FACILITY FORMAT.
15. NOTES: ADDED “CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS” - ATC REQUEST.
16. ADDITIONAL FLIGHT DATA: CHANGED FAS OBSTACLE FROM “CHART FAS OBST: 4444 TOWER 405107N/1115805W” TO “4445 ANTENNA (49-051436) 405106N/1115809W” - NEW CONTROLLING OBSTACLE.
17. ADDITIONAL FLIGHT DATA: CHANGED FROM “CHART VDP AT 1.46 NM TO RW16L” TO “CHART VDP AT 1.44 NM TO RW16L” - NEW TARGETS EVALUATION VS IPDS.
18. ADDITIONAL FLIGHT DATA: ADDED “WAAS CHANNEL # 65745,” “REFERENCE PATH ID: W16B”, AND “LTP HAE: 1272 M” - ADDED VERTICALLY GUIDED LINES OF MINIMA.
19. ADDITIONAL FLIGHT DATA: REMOVED “YYIPP TO RW16L: 3.04/55” - ADDED VERTICALLY GUIDED LINES OF MINIMA.
20. MINIMUMS: ADDED LPV DA LINE OF MINIMA: ALL CATS DA 4431, VISIBILITY RVR 1800, HAT 200 - ATC REQUEST TO ADD.
21. MINIMUMS: ADDED LNAV/VNAV LINE OF MINIMA: CAT A DA 4537, VISIBILITY 2400, HAT 306; CAT B DA 4559, VISIBILITY 2600, HAT 328; CAT C DA 4574, VISIBILITY 3000, HAT 343; CAT D DA 4593, VISIBILITY 3500, HAT 362; CAT E DA 4634, VISIBILITY 4000, HAT 403 - ATC REQUEST TO ADD.
22. MINIMUMS: LNAV CHANGED HAT FROM “533” TO “529” - TO MAINTAIN CURRENT MDA/AIRPORT ELEVATION/TDZE CHANGED.
23. MINIMUMS: LNAV CAT C VISIBILITY CHANGED FROM RVR 5000 TO RVR 5500, CAT D VISIBILITY CHANGED FROM RVR 6000 TO RVR 5500, CAT E VISIBILITY CHANGED FROM 1 1/2 SM TO RVR 5500 - NEW HAT/NEW VISIBILITY TABLES.
24. CRC: ADDED 850E1E51 - ADDED VERTICALLY GUIDED LINES OF MINIMA.
25. NOTES: CHANGED FROM “CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).” TO “CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).” – ADDED PRECISION MINIMUMS.
26. NOTES: ADDED “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C AND ABOVE 45C” – ADDED LNAV/VNAV MINIMA.

10/24/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/3/2023.  
1. REMOVED CHART NOTE: CHART LOC RWY 16R.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER:

ZLC, SLC ATCT, UT AERO, AMGR

FLIGHT CHECKED BY  
TROY ELLEN DEVINE

Digitally signed by  
**CASIMIR L TABAKA**  
Oct 24, 2023

OFFICE  
FIOG

DATE  
09/13/2023

DEVELOPED BY  
APRIL SARMENTO

Digitally signed by  
**APRIL T SARMENTO**  
Oct 24, 2023

OFFICE  
AJV-A432

DATE  
06/01/2023

APPROVED BY  
CASIMIR L. TABAKA

Digitally signed by  
**CASIMIR L TABAKA**  
Oct 24, 2023

OFFICE  
AJV-A431

DATE

TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSLC
RUNWAY	RW16L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16B
LTP/FTP LATITUDE	404826.8295N
LTP/FTP LONGITUDE	1115836.9555W
LTP/FTP ELLIPSOIDAL HEIGHT	+12720
FPAP LATITUDE	404628.6965N
FPAP LONGITUDE	1115823.2540W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	850E1E51

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+12890
FPAP ORTHOMETRIC HEIGHT	+12890

