

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RICHY	SEVEN	RICHY7.SWR	SIX	11/10/2016	25FEB2021
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 36: CLIMBING LEFT TURN ON HEADING 343.00 TO INTERCEPT THE SWR VOR/DME R-117 NORTHWESTBOUND. CROSS RICHY/SWR 16.02 DME AT OR ABOVE 8300, CROSS SWR AT OR ABOVE 11,000, THENCE...

...ON ASSIGNED ROUTE (AIRCRAFT CLEARED ON A TRANSITION TURN LEFT TO INTERCEPT THE SWR R-117 SOUTHEAST BOUND TO CROSS RICHY AT OR ABOVE 13,000). MAINTAIN ATC ASSIGNED ALTITUDE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
GENNE	RICHY7.GENNE	RICHY INT	MARRI	SWR R-117	20.53	13000		CROSS MARRI AT 13000
		MARRI	GENNE	SWR R-117	4.19	15000		
MARRI	RICHY7.MARRI	RICHY INT	MARRI	SWR R-117	20.53	13000		CROSS MARRI AT 13000
SPOOK	RICHY7.SPOOK	RICHY INT	SPOOK INT	FMG R-192	24.73	15000		
TILTS	RICHY7.TILTS	RICHY INT	MARRI	SWR R-117	20.53	13000		CROSS MARRI AT 13000
		MARRI	TILTS	SWR R-117	11.20	15000		

PROCEDURAL DATA NOTES:

CHART NOTE: DME REQUIRED.

TAKEOFF MINIMUMS:

RWY 36: 300 - 1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 755 FT PER NM TO 6500.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

RWY 36: 6427 FT MSL TREE 385434.91N/1195915.02W (CLIMB GRADIENT/CLIMB TO ALTITUDE), 6436 FT MSL TREE 385517.16N/1195900.54W (CEILING), 6420 FT MSL TREE 385515.83N/1195848.42W (VISIBILITY)

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

CHART: V28-113 WITH MEA.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RICHY	SEVEN	RICHY7.SWR	SIX	11/10/2016	25FEB2021

CHART: TOP ALTITUDE: ASSIGNED BY ATC.
REFERENCE MAG VAR: KTVL 16E EPOCH YR: 1985.
CHART: LINDEN (LIN) VOR/DME, AND LIN R-029 TO SPOOK INT.
CHART: HANGTOWN (HNW) VOR/DME, AND HNW R-086 TO SPOOK INT.
CHART: SWR R-164 TO SPOOK INT.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
LAKE TAHOE	KTVL	SOUTH LAKE TAHOE	CA

COMMUNICATIONS:

CHART: CLNC DEL, CTAF, OAKLAND ARTCC.

FIXES AND/OR NAVAIDS:**REMARKS:**

120 FT VEGETATION USED BASED ON VEGETATION HEIGHT USED FOR INSTRUMENT APPROACH PROCEDURES AT THIS AIRPORT.

FLIGHT INSPECTED BY*Digitally signed by***DONALD H LANIER**

Oct 05, 2020

OFFICE

FICO

DATE

10/1/2020

DEVELOPED BY*Digitally signed by***LIAM DONAHUE**

Jun 30, 2020

OFFICE

AJV-A431

DATE

04/06/2020

APPROVED BY*Digitally signed by***DONALD H LANIER**

Oct 05, 2020

OFFICE

AJV-A430

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:**

CHANGES - REASONS:

1. ADDED PROCEDURAL DATA NOTE "DME REQUIRED" - RICHY CANNOT BE RECEIVED AS AN INTERSECTION BELOW 13,000 AND AIRCRAFT WILL NOT BE AT 13,000 OUTBOUND TO RICHY BASED ON MINIMUM CLIMB RATES.
2. DELETED CHART NOTE: THIS SID REQUIRES A MINIMUM CLIMB RATE OF 400 FT PER NM TO 10000. FROM PROCEDURAL DATA NOTES. - REPLACED WITH REQUIRED CLIMB GRADIENT FOR OBSTACLE DUE TO NEW SURVEY.
3. ADDED RWY 36: 300 - 1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 755 FT PER NM TO 6500, TO TAKEOFF MINIMUMS. - NEW CONTROLLING OBSTACLES AND MATCH 8260-15A.
4. ADDED SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP). TO TAKEOFF OBSTACLE NOTES. - IAW FAAO 8260.46G APPENDIX D SECTION 2.
5. ADDED RWY 36: 6427 FT MSL TREE 385434.91N/1195915.02W (CLIMB GRADIENT/CLIMB TO ALTITUDE), 6436 FT MSL TREE 385517.16N/1195900.54W (CEILING), 6420 FT MSL TREE 385515.83N/1195848.42W (VISIBILITY), TO CONTROLLING OBSTACLES. - NEW CONTROLLING OBSTACLES IN NEW SURVEY.
6. CHANGED RICHY INT CROSSING ALTITUDE FROM 12000 TO 13000 IN DP ROUTE DESCRIPTION. - MRA AT RICHY IS 13000.
7. ADDED REMARK: 120 FT VEGETATION USED BASED ON VEGETATION HEIGHT USED FOR INSTRUMENT APPROACH PROCEDURES AT THIS AIRPORT. - CLARIFY WHY NONSTANDARD VEGETATION HEIGHT USED.
8. ADDED TOP ALTITUDE: ASSIGNED BY ATC TO ADDITIONAL FLIGHT DATA. - IAW FAAO 8260.46G PARAGRAPH 3-1-1 L (6).
9. ADDED REFERENCE MAG VAR: KTVL 16E EPOCH YR: 1985. TO ADDITIONAL FLIGHT DATA. - IAW FAAO 8260.46G APPENDIX D, SECTION 2 PARAGRAPH 10-B.
10. CHANGED DP ROUTE DESCRIPTION FROM: TAKEOFF RWY 36: TURN LEFT HEADING 330 THENCE...

QUALITY
8
CHECKED

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RICHY	SEVEN	RICHY7.SWR	SIX	11/10/2016	25FEB2021

INTERCEPT SWR R-117 AT OR ABOVE 8300 CONTINUE CLIMB NORTHWEST BOUND ON SWR R-117 TO SWR VOR/DME. CROSS SWR VOR/DME AT OR ABOVE 11000. AIRCRAFT CLEARED VIA A TRANSITION, REVERSE COURSE TO THE LEFT AFTER CROSSING THE SWR VOR/DME, AND PROCEED TO RICHY INT VIA SWR R-117. CROSS RICHY INT AT 12000 SE AND SW BOUND, THENCE VIA (TRANSITION). TO: TAKEOFF RWY 36: CLIMBING LEFT TURN ON HEADING 343.00 TO INTERCEPT THE SWR VOR/DME R-117 NORTHWESTBOUND. CROSS RICHY/SWR 16.02 DME AT OR ABOVE 8300, CROSS SWR AT OR ABOVE 11,000, THENCE...

...ON ASSIGNED ROUTE (AIRCRAFT CLEARED ON A TRANSITION TURN LEFT TO INTERCEPT THE SWR R-117 SOUTHEAST BOUND TO CROSS RICHY AT OR ABOVE 13,000). MAINTAIN ATC ASSIGNED ALTITUDE.

11. REMOVED INT FROM GENNE, MARRI, AND TILTS IN TRANSITION ROUTES. - DME IS REQUIRED FOR THESE FIXES/TRANSITIONS.

12. MOVED ADDITIONAL CHARTING INSTRUCTIONS FROM FIXES AND/OR NAVAIDS TO ADDITIONAL FLIGHT DATA. - 8260.46G APPENDIX D SECTION 2 PARAGRAPH 10.

13. ADDED CHART: HANGTOWN (HNW) VOR/DME, AND HNW R-086 TO SPOOK INT. TO ADDITIONAL FLIGHT DATA. - HNW IS PART OF SPOOK INT FIX MAKEUP.

14. PROCEDURAL DATA NOTES: DELETED CHART NOTE: MINIMUM CROSSING ALTITUDE AT RICHY INT NORTHWEST BOUND, DIRECT SWR VOR/DME:8300 AND CHART NOTE AT RICHY: CROSS AT 12000 SE AND SW BOUND. -DATA IS NOW COVERED IN DP ROUTE DESCRIPTION.

15. REMOVED RICHY CROSSING RESTRICTION IN TRANSITION ROUTES CROSSING ALTITUDES/FIXES - CROSSING RESTRICTION IS STATED IN DP ROUTE DESCRIPTION.

