

**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SUPERSEDED NUMBER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>
SCTWN	FOUR	SCTWN4.SCTWN	THREE	05/21/2020	19MAY2022

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17L: CLIMB ON HEADING 167.76 TO 540, THEN LEFT TURN DIRECT SCTWN AT OR ABOVE 2300, THENCE ...

TAKEOFF RWY 17R: CLIMB ON HEADING 167.75 TO 540, THEN LEFT TURN DIRECT SCTWN AT OR ABOVE 2300, THENCE ...

...ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 5 MINUTES AFTER DEPARTURE.

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>
SHUFL	SCTWN4.SHUFL	SCTWN	DOSCO	TRACK 087.90	60.40	13900	9900	AT/ABOVE 14000
		DOSCO	DUNGN	TRACK 088.90	62.29	FL 190	13700	
		DUNGN	DRAGN	TRACK 089.70	29.44	FL 190	11800	
		DRAGN	SHUFL	TRACK 109.05	36.01	FL 190	11200	
MACUS	SCTWN4.MACUS	SCTWN	DNGER	TRACK 075.03	35.07	8800	5200	AT/ABOVE 9000
		DNGER	MACUS	TRACK 036.59	115.61	FL 180	11500	
RALEY	SCTWN4.RALEY	SCTWN	DNGER	TRACK 075.03	35.07	8800	5200	AT/ABOVE 9000
		DNGER	RALEY	TRACK 078.48	116.31	FL 190	13500	

PROCEDURAL DATA NOTES:**PBN REQUIREMENTS NOTES:**

RNAV - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT

TAKEOFF MINIMUMS:

RWY 17L, 17R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

TAKEOFF OBSTACLES NOTES:

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



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CONTROLLING OBSTACLES:**MSA:****LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KSMF 13E EPOCH YR: 2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
(KSMF)	SACRAMENTO	CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER, NORCAL DEP CON

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

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i> DONALD H LANIER	<u>OFFICE</u>	<u>DATE</u>	
DANIEL C FAVORITE	Jan 19, 2022	FPO	01/13/2022	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i> NICHOLAS JACKSON	<u>OFFICE</u>	<u>DATE</u>	
NICHOLAS K. JACKSON	Dec 03, 2021	AJV-A431	11/30/2021	
<u>APPROVED BY</u>	<i>Digitally signed by</i> DONALD H LANIER	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART	Jan 19, 2022	AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒
ALPA ☒
AOPA ☒
APA ☒
HAI ☐
NBAA ☒
OTHER: ZOA, NORCAL TRACON, CAPITOL ATCT, AMGR

CHANGES - REASONS:

1. REMOVED KENNO TRANSITION - ATC REQUEST.
2. ADDED SHUFL TRANSITION - ATC REQUEST.
3. ADDED ALTITUDE RESTRICTION OF AT OR ABOVE 9000 AT DNGER - MCA CRITERIA.
4. ADDED ALTITUDE RESTRICTION OF AT OR ABOVE 14000 AT DOSCO - ATC ALTITUDE RESTRICTION.
5. ADDED ALTITUDE RESTRICTION OF AT OR ABOVE 2300 AT SCTWN - MCA CRITERIA.
6. ADDED TOP ALTITUDE - TOP ALTITUDE ADDED IAW 8260.46H APPENDIX E, PARA 12B.



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SCTWN	FOUR	SCTWN4.SCTWN	THREE	05/21/2020	19MAY2022

7. CHANGED DEPARTURE ROUTE DESCRIPTION FROM MAINTAIN FL190, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE TO EXPECT FILED ALTITUDE 5 MINUTES AFTER DEPARTURE - ATC REQUEST.

8. ADDED MOCA'S FOR ALL SEGMENTS. - ADDED IAW 8260.46H APPENDIX E, PARA 4H.

9. ADDED PBN REQUIREMENT NOTE: RNAV-1 DME/DME/IRU OR GPS. - NOTE ADDED IAW 8260.46H PARA 2-1-1F(6)(C)(1, 2, 5A).

10. ADDED EQUIPMENT REQUIREMENT NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCARFT. - NOTE ADDED IAW 8260.46H PARA 2-1-1F(5).

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/03/21:

CHANGED COORDINATES FOR FIX DRAGN FROM 360608.83N/1181751.76W TO 380608.83N/1181751.76W ON 8260-15C



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
SCTWN						FOUR	SCTWN4.SCTWN	THREE	05/21/2020	19MAY2022
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW17L (AER)	384225.70N/1213448.21W	N	-	-	-	-			CG 500 FT PER NM TO 540	
540 MSL	-	-	-	VA	180.76	-			LEFT TURN	
SCTWN	383750.57N/1212704.47W	Y	FB	DF	-	-	AT/ABOVE 2300			
RW17R (AER)	384226.42N/1213603.90W	N	-	-	-	-			CG 500 FT PER NM TO 540	
540 MSL	-	-	-	VA	180.75	-			LEFT TURN	
SCTWN	383750.57N/1212704.47W	Y	FB	DF	-	-	AT/ABOVE 2300			
SCTWN	383750.57N/1212704.47W	Y	-	IF	-	-	AT/ABOVE 2300		SCTWN4.SHUFL	
DOSCO	382559.96N/1201135.43W	Y	FB	TF	100.90	60.40	AT/ABOVE 14000			
DUNGN	381243.12N/1185415.01W	Y	FB	TF	101.90	62.29				
DRAGN	380608.83N/1181751.76W	Y	FB	TF	102.70	29.44				
SHUFL	374654.63N/1173921.52W	Y	FB	TF	122.05	36.01				
SCTWN	383750.57N/1212704.47W	Y	-	IF	-	-	AT/ABOVE 2300		SCTWN4.MACUS	
DNGER	383854.47N/1204220.48W	Y	FB	TF	088.03	35.07	AT/ABOVE 9000			
MACUS	395300.00N/1184800.00W	Y	FB	TF	049.59	115.61				
SCTWN	383750.57N/1212704.47W	Y	-	IF	-	-	AT/ABOVE 2300		SCTWN4.RALEY	
DNGER	383854.47N/1204220.48W	Y	FB	TF	088.03	35.07	AT/ABOVE 9000			
RALEY	383419.70N/1181403.63W	Y	FB	TF	091.48	116.31				

QUALITY
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CHECKED