

**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.

DP NAME STAYY	NUMBER FOUR	DP COMPUTER CODE STAYY4.STAYY	SUPERSEDED NUMBER THREE	DATED 10/19/2019	ACTUAL EFFECTIVE DATE 24 MAR 2022
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TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 20R: CLIMB ON COURSE 195.91 TO CROSS BIKKL AT OR ABOVE 556, THEN LEFT TURN TO HEFAY, THEN RIGHT TURN TO CROSS PAPAU AT OR BELOW 5000 AND AT OR BELOW 220 KIAS, THEN LEFT TURN TO CROSS LRREN AT OR BELOW 5000, THEN LEFT TURN TO HTCHR, THEN ON TRACK 140.28 TO TANGL, THEN ON TRACK 102.72 TO CROSS SHIRR AT OR ABOVE 7000, THEN ON TRACK 072.64 TO DANAH, THEN ON TRACK 048.34 TO CROSS STAYY AT OR ABOVE 9000, THENCE...

...ON (TRANSITION). MAINTAIN 13000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
AVRRY	STAYY4.AVRRY	STAYY	FNCHH	TRACK 079.58	12.24	9000	5800	
		FNCHH	TBERD	TRACK 063.61	12.51	10000	5300	
		TBERD	PEELR	TRACK 079.68	33.13	15000	10000	
		PEELR	MTBAL	TRACK 079.71	14.77	15000	8700	
		MTBAL	AVRRY	TRACK 057.20	25.24	15000	7500	
CNERY	STAYY4.CNERY	STAYY	WILD	TRACK 098.42	13.40	9000	5600	
		WILD	FLWRZ	TRACK 079.30	16.65	10000	6200	
		FLWRZ	BLCKD	TRACK 078.71	23.94	15000	10800	
		BLCKD	CSTWY	TRACK 078.96	19.59	15000	10800	
		CSTWY	CNERY	TRACK 058.68	23.99	15000	5900	
OTAYY	STAYY4.OTAYY	STAYY	WILD	TRACK 098.42	13.40	9000	5600	
		WILD	WAGAV	TRACK 143.57	15.78	10000	4600	
		WAGAV	OTAYY	TRACK 169.02	35.92	15000	4300	
TCATE	STAYY4.TCATE	STAYY	WILD	TRACK 098.42	13.40	9000	5600	
		WILD	TCATE	TRACK 125.64	56.29	15000	8700	

QUALITY
22
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SUPERSEDED NUMBER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>
STAYY	FOUR	STAYY4.STAYY	THREE	10/19/2019	24 MAR 2022

PROCEDURAL DATA NOTES:

NOTE: RNP 1
 NOTE: RF REQUIRED
 NOTE: GPS REQUIRED
 NOTE: RADAR REQUIRED
 NOTE: TURBOJET ONLY
 NOTE: PARACHUTE JUMPING ALL HOURS, 14000 AND BELOW, NORTH OF ROUTE BETWEEN STAYY AND FNCHH
 NOTE: DO NOT FILE-TO BE ASSIGNED BY ATC

TAKEOFF MINIMUMS:

RWYS 2L/R, 20L: NA-ATC
 RWY 20R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 600

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 20R: 919 FT MSL AAO 333627.20N/1175013.20W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KSNA 12E EPOCH YR: 2015
 DME/DME ASSESSMENT: NOT CONDUCTED
 CHART: TOP ALTITUDE: 13000
 CHART: SPEED ICON MAXIMUM SPEED 220 KIAS AT PAPAU

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
JOHN WAYNE AIRPORT-ORANGE COUNTY	KSNA	SANTA ANA	CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON (EAST/WEST), TOWER, SOCAL DEP CON

FIXES AND/OR NAVAIDS:

LVLL, WURMO, TTRUE

REMARKS:

CHART LVLL, TTRUE, AND WURMO AS STAND ALONE WAYPOINTS
 DO NOT CHART MOCAS

FLIGHT INSPECTED BY

THOMAS E MOLOKIE	<i>Digitally signed by</i> DONALD H LANIER Jan 06, 2022	OFFICE FPO	DATE 01/05/2022
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DEVELOPED BY

RICHARD CHRISTENSEN	<i>Digitally signed by</i> RICHARD E CHRISTENSE Dec 03, 2021	OFFICE AJV-A431	DATE Oct 13, 20
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APPROVED BY

LONNIE EVERHART	<i>Digitally signed by</i> DONALD H LANIER Jan 06, 2022	OFFICE AJV-A430	DATE	TITLE MANAGER
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STAYY	FOUR	STAYY4.STAYY	THREE	10/19/2019	24 MAR 2022

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:**ZLA, SOCAL APP CON, SNA ATCT, AMGR

CHANGES - REASONS:

1. ADDED SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) TO TAKEOFF OBSTACLE NOTES - IAW 8260.46G APPENDIX E7.
2. CHANGED WP CNERY FROM FLY-BY TO FLY-OVER - PER FPT/ATC REQUEST.
3. ADDED DO NOT CHART MOCAS IN REMARKS - ATC REQUEST.
4. ADDED FIX NAMES TO THE 'FROM' COLUMN IN TRANSITION ROUTES - IAW 8260.46H APPENDIX E SECTION 1 4(C).
5. MOCAS CHANGED FROM/TO; TBERD TO PEELR 10800/10000, STAYY TO WIILD 5700/5600, WIILD TO FLWRZ 7000/6200 - NEW OBSTACLE EVALUATION RESULTS.
6. REMOVED RECOMMENDED NAVAID FROM CF/RF LEGS - NO LONGER REQUIRED PER 8260.46H 1-1-5B(2).



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 DEPARTURE (DATA RECORD)

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
STAYY	FOUR	STAYY4.STAYY	THREE	10/19/2019	24MAR2022

<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW20R (AER)	334053.93N/1175154.21W	N	-	-	-	-			
BIKKL	333909.48N/1175300.38W	Y	FB	CF	207.91	01.97	AT/ABOVE 556		CG 500 FT PER NM TO 600
HEFAY	333807.44N/1175317.61W	Y	FB	RF	-	01.07			2.07 NM RADIUS CCW CFCJQ
PAPAU	333709.19N/1175332.46W	Y	FB	RF	-	01.00	AT/BELOW 5000	AT/BELOW 220K	2.08 NM RADIUS CW CFDSG
LRREN	333501.79N/1175400.22W	Y	FB	RF	-	02.18	AT/BELOW 5000		4.04 NM RADIUS CCW CFFBZ
HTCHR	333330.30N/1175327.97W	Y	FB	RF	-	01.60			4.05 NM RADIUS CCW CFGBM
TANGL	333027.00N/1175133.00W	Y	FB	TF	152.28	03.44			
SHIRR	332830.00N/1174630.00W	Y	FB	TF	114.72	04.65	AT/ABOVE 7000		
DANAH	332851.62N/1174154.15W	Y	FB	TF	084.64	03.86			
STAYY	333459.41N/1172901.23W	Y	FB	TF	060.34	12.39	AT/ABOVE 9000		

TRANSITIONS

STAYY	333459.41N/1172901.23W	Y	-	IF	-	-	AT/ABOVE 9000		STAYY4.AVRRY
FNCHH	333438.20N/1171422.80W	Y	FB	TF	091.58	12.24			
TBERD	333744.21N/1165951.91W	Y	FB	TF	075.61	12.51			
PEELR	333639.62N/1162012.96W	Y	FB	TF	091.68	33.13			
MTBAL	333611.93N/1160232.30W	Y	FB	TF	091.71	14.77			
AVRRY	334507.35N/1153414.56W	Y	FB	TF	069.20	25.24			

QUALITY
2
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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
STAYY	333459.41N/1172901.23W	Y	-	IF	-	-	AT/ABOVE 9000		STAYY4.CNERY
WIILD	333017.34N/1171359.88W	Y	FB	TF	110.42	13.40			
FLWRZ	332953.00N/1165405.90W	Y	FB	TF	091.30	16.65			
BLCKD	332931.77N/1162528.14W	Y	FB	TF	090.71	23.94			
CSTWY	332909.77N/1160203.05W	Y	FB	TF	090.96	19.59			
CNERY	333703.75N/1153456.72W	Y	FO	TF	070.68	23.99			

STAYY	333459.41N/1172901.23W	Y	-	IF	-	-	AT/ABOVE 9000		STAYY4.OTAYY
WIILD	333017.34N/1171359.88W	Y	FB	TF	110.42	13.40			
WAGAV	331553.62N/1170613.02W	Y	FB	TF	155.57	15.78			
OTAYY	323954.45N/1170658.45W	Y	FB	TF	181.02	35.92			

STAYY	333459.41N/1172901.23W	Y	-	IF	-	-	AT/ABOVE 9000		STAYY4.TCATE
WIILD	333017.34N/1171359.88W	Y	FB	TF	110.42	13.40			
TCATE	324829.07N/1162859.88W	Y	FB	TF	137.64	56.29			

