

**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SUPERSEDED NUMBER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>
RREHD	ONE	RREHD1.RREHD	NONE		25JAN2024
<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 checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 2: CLIMB ON HEADING 013.18 TO 629, THEN LEFT TURN DIRECT MMOLL, THEN ON DEPICTED ROUTE, THENCE...

TAKEOFF RWY 14: CLIMB ON HEADING 141.19 TO 629, THEN RIGHT TURN DIRECT TO CROSS RREHD AT OR ABOVE 3400 AND AT OR BELOW 230 KIAS, THENCE...

TAKEOFF RWY 20: CLIMB ON HEADING 193.18 TO 629, THEN RIGHT TURN DIRECT TO CROSS RREHD AT OR ABOVE 3400 AND AT OR BELOW 230 KIAS, THENCE...

TAKEOFF RWY 32: CLIMB ON HEADING 321.19 TO 629, THEN LEFT TURN DIRECT MMOLL, THEN ON DEPICTED ROUTE, THENCE...

...ON ASSIGNED TRANSITION, MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 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>
HADLY	RREHD1.HADLY	RREHD	BAYRN	TRACK 164.52	18.93	3400		AT/ABOVE 11000
		BAYRN	HADLY	TRACK 136.24	45.00	3500		AT/ABOVE FL200
NTELL	RREHD1.NTELL	RREHD	BAYRN	TRACK 164.52	18.93	3400		AT/ABOVE 11000
		BAYRN	HADLY	TRACK 136.24	45.00	3500		AT/ABOVE FL200
		HADLY	JRICE	TRACK 083.89	67.74	6500		
		JRICE	NTELL	TRACK 089.76	64.70	6500	4800	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

PROCEDURAL DATA NOTES:

NOTE: DO NOT EXCEED 230K UNTIL PASSING RREHD.

TAKEOFF MINIMUMS:

RWY 14: STANDARD

RWY 20: STANDARD WITH MINIMUM CLIMB OF 216 FT/NM TO 2300.

RWY 02: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 629, THEN MINIMUM CLIMB OF 330 FT/NM TO 2300.

RWY 32: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 629, THEN MINIMUM CLIMB OF 380 FT/NM TO 2300.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 2: 1641 AAO 383130.00N/1225518.00W



RWY 32: 1641 AAO 383130.00N/1225518.00W
RWY 20: 1519 AAO 382527.00N/1225900.00W

MSA:
MSA FROM KSTS, 5900.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
AIRPORT MV: STS 16E/1985
CHART: TOP ALTITUDE: FL230.
CHART SPEED ICON: MAXIMUM SPEED 230 KIAS AT RREHD.
DME/DME ASSESSMENT: SAT (RNP 2.0).

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KSTS	SANTA ROSA	CA

COMMUNICATIONS:
ATIS, GND CON, TWR, OAKLAND CENTER, CTAF, UNICOM.

FIXES AND/OR NAVAIDS:

REMARKS:

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
GARY J VEER	Digitally signed by MICHAEL GARRITY	FPO	11/16/2023	
<u>DEVELOPED BY</u>	Nov 24, 2023 <u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
JASON KRETSCHMER (HENRY BRADSHAW)	Digitally signed by MICHAEL GARRITY	AJV-A423	08/04/2023	
<u>APPROVED BY</u>	Nov 24, 2023 <u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JASON KRETSCHMER	Digitally signed by MICHAEL GARRITY	AJV-A421		MANAGER
<u>REQUIRED EFFECTIVE DATE</u>	Nov 24, 2023			
ROUTINE				

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:**ZOA, APP CON, AMGR

CHANGES - REASONS:



**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>
RREHD		ONE		RREHD1.RREHD		NONE			25JAN2024
<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>
RW02 (AER)	383011.39N/1224915.47W	N	-	-	-	-			
629 MSL	-	-	-	VA	029.18	-			CG 500 FT PER NM TO 629, THEN CG 330 FT PER NM TO 2300
MMOLL	382810.22N/1225641.45W	Y	FB	DF	-	-			LEFT TURN
RREHD	382300.66N/1230037.71W	Y	FB	TF	211.00	6.01	AT/ABOVE 3400	AT/BELOW 230K	
RW14 (AER)	383103.06N/1224849.74W	N	-	-	-	-			
629 MSL	-	-	-	VA	157.19	-			
RREHD	382300.66N/1230037.71W	Y	FB	DF	-	-	AT/ABOVE 3400	AT/BELOW 230K	RIGHT TURN
RW20 (AER)	383056.29N/1224843.56W	N	-	-	-	-			
629 MSL	-	-	-	VA	209.18	-			CG 216 FT PER NM TO 2300
RREHD	382300.66N/1230037.71W	Y	FB	DF	-	-	AT/ABOVE 3400	AT/BELOW 230K	RIGHT TURN
RW32 (AER)	383008.39N/1224820.48W	N	-	-	-	-			
629 MSL	-	-	-	VA	337.19	-			CG 500 FT PER NM TO 629, THEN CG 380 FT PER NM TO 2300
MMOLL	382810.22N/1225641.45W	Y	FB	DF	-	-			LEFT TURN
RREHD	382300.66N/1230037.71W	Y	FB	TF	211.00	6.01	AT/ABOVE 3400	AT/BELOW 230K	
RREHD	382300.66N/1230037.71W	Y	-	IF	-	-			RREHD1.HADLY
BAYRN	380403.60N/1230050.64W	Y	FB	TF	180.52	18.93	AT/ABOVE 11000		
HADLY	372408.49N/1223432.13W	Y	FB	TF	152.24	45.00	AT/ABOVE FL200		

QUALITY
21
CHECKED

NFDD No. 228				11/29/2023				40	
<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RREHD		ONE		RREHD1.RREHD		NONE			25JAN2024
<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>
RREHD	382300.66N/1230037.71W	Y	-	IF	-	-			RREHD1.NTELL
BAYRN	380403.60N/1230050.64W	Y	FB	TF	180.52	18.93	AT/ABOVE 11000		
HADLY	372408.49N/1223432.13W	Y	FB	TF	152.24	45.00	AT/ABOVE FL200		
JRICE	371200.00N/1211100.00W	Y	FB	TF	099.89	67.74			
NTELL	365358.99N/1195322.21W	Y	FB	TF	105.76	64.70			

