

**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SUPERSEDED NUMBER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>
CHRRO	ONE	CHRRO1.CHRRO	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 14: CLIMB DIRECT TO CROSS ITIZZ AT OR ABOVE 3500 AND AT OR BELOW 230 KIAS, THEN ON DEPICTED ROUTE, THENCE...

TAKEOFF RWY 20: CLIMB ON HEADING 193.18 TO 629, THEN LEFT TURN DIRECT TO CROSS KUIPR AT OR ABOVE 3100 AND AT OR BELOW 230 KIAS, THEN ON DEPICTED ROUTE, THENCE...

TAKEOFF RWY 32: CLIMB DIRECT TO CROSS ZZITO AT OR ABOVE 2000 AND AT OR BELOW 230 KIAS, 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>
BAHNZ	CHRRO1.BAHNZ	CHRRO	POZEY	TRACK 050.69	8.75	6600	5300	
		POZEY	BAHNZ	TRACK 081.26	14.06	6600	4900	AT/BELOW 15000
MUSTANG	CHRRO1.FMG	CHRRO	POZEY	TRACK 050.69	8.75	6600	5300	
		POZEY	BAHNZ	TRACK 081.26	14.06	6600	4900	AT/BELOW 15000
		BAHNZ	FMG VORTAC	TRACK 052.39	126.18	12500		
RALEY	CHRRO1.RALEY	CHRRO	POZEY	TRACK 050.69	8.75	6600	5300	
		POZEY	BAHNZ	TRACK 081.26	14.06	6600	4900	AT/BELOW 15000
		BAHNZ	RALEY	TRACK 076.67	185.96	13500		
RED BLUFF	CHRRO1.RBL	CHRRO	POZEY	TRACK 050.69	8.75	6600	5300	
		POZEY	ENRQZ	TRACK 352.72	14.30	6600	5700	AT/BELOW 15000
		ENRQZ	RBL VORTAC	TRACK 352.24	63.60	6600	5800	
SHUFL	CHRRO1.SHUFL	CHRRO	POZEY	TRACK 050.69	8.75	6600	5300	
		POZEY	BAHNZ	TRACK 081.26	14.06	6600	4900	AT/BELOW 15000
		BAHNZ	DUNGN	TRACK 085.48	158.20	13700		
		DUNGN	DRAGN	TRACK 086.70	29.44	13700	11800	

QUALITY
21
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SUPERSEDED NUMBER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>
CHRRO	ONE	CHRRO1.CHRRO	NONE		25JAN2024
DRAGN	SHUFL	TRACK 106.05	36.01	13700	11200

PBN REQUIREMENT NOTES:

RNAV 1 - GPS
GPS REQUIRED

EQUIPMENT REQUIREMENT NOTES:**PROCEDURAL DATA NOTES:**

NOTE: DO NOT EXCEED 230K UNTIL PASSING ITIZZ.
NOTE: DO NOT EXCEED 230K UNTIL PASSING KUIPR.
NOTE: DO NOT EXCEED 230K UNTIL PASSING ZZITO.

TAKEOFF MINIMUMS:

RWY 2: NA - ATC
RWY 14: STANDARD WITH MINIMUM CLIMB OF 300 FT/NM TO 6100.
RWY 20: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 629, THEN MINIMUM CLIMB OF 280 FT/NM TO 6100.
RWY 32: STANDARD WITH MINIMUM CLIMB OF 360 FT/NM TO 5200.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 14: 4544 FT AAO 384009.00N/1223800.00W
RWY 20: 4544 FT AAO 384009.00N/1223800.00W
RWY 32: 3816 FT AAO 384354.00N/1224224.00W

MSA:

MSA FROM KSTS, 5900.

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

AIRPORT MV: STS 16E/1985
CHART: TOP ALTITUDE: 23000.
CHART SPEED ICON: MAXIMUM SPEED 230 KIAS AT ITIZZ.
CHART SPEED ICON: MAXIMUM SPEED 230 KIAS AT KUIPR.
CHART SPEED ICON: MAXIMUM SPEED 230 KIAS AT ZZITO.
DME/DME ASSESSMENT: UNSAT.

AIRPORTS SERVED:

<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:**

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CHRRO	ONE	CHRRO1.CHRRO	NONE		25JAN2024

FLIGHT INSPECTED BY

GARY J VEER

SIGNATURE*Digitally signed by***MICHAEL GARRITY**

Nov 24, 2023

OFFICE

FPO

DATE

11/16/2023

DEVELOPED BY

JASON KRETSCHMER (HENRY BRADSHAW)

SIGNATURE*Digitally signed by***MICHAEL GARRITY**

Nov 24, 2023

OFFICE

AJV-A423

DATE

08/02/2023

APPROVED BY

JASON KRETSCHMER

SIGNATURE*Digitally signed by***MICHAEL GARRITY**

Nov 24, 2023

OFFICE

AJV-A421

DATETITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:**ZOA, APP CON, AMGRCHANGES - REASONS:

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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
CHRRO		ONE		CHRRO1.CHRRO		NONE				25JAN2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW14 (AER)	383103.06N/1224849.74W	N	-	-	-	-					
ITIZZ	382345.46N/1224413.19W	Y	FB	DF	-	8.14	AT/ABOVE 3500	AT/BELOW 230K	CG 300 FT PER NM TO 6100		
OUTAA	382555.75N/1223659.98W	Y	FB	TF	069.04	6.08					
HHEER	383254.64N/1223745.69W	Y	FB	TF	355.10	7.00	AT/ABOVE 5900				
CHRRO	384520.67N/1223907.47W	Y	FB	TF	355.09	12.47					
RW20 (AER)	383056.29N/1224843.56W	N	-	-	-	-					
629 MSL	-	-	-	VA	209.18	-			CG 500 FT PER NM TO 629, THEN CG 280 FT PER NM TO 6100		
KUIPR	382411.51N/1224553.38W	Y	FB	DF	-	-	AT/ABOVE 3100	AT/BELOW 230K	LEFT TURN		
OUTAA	382555.75N/1223659.98W	Y	FB	TF	076.00	7.20					
HHEER	383254.64N/1223745.69W	Y	FB	TF	355.10	7.00	AT/ABOVE 5900				
CHRRO	384520.67N/1223907.47W	Y	FB	TF	355.09	12.47					
RW32 (AER)	383008.39N/1224820.48W	N	-	-	-	-					
ZZITO	383600.00N/1225100.00W	Y	FB	DF	-	6.21	AT/ABOVE 2000	AT/BELOW 230K	CG 360 FT PER NM TO 5200		
MADBM	384058.79N/1224606.75W	Y	FB	TF	037.56	6.28	AT/ABOVE 5500				
CHRRO	384520.67N/1223907.47W	Y	FB	TF	051.40	6.99					
CHRRO	384520.67N/1223907.47W	Y	-	IF	-	-			CHRRO1.BAHNZ		
POZEY	384848.14N/1222850.57W	Y	FB	TF	066.69	8.75					
BAHNZ	384700.00N/1221100.00W	Y	FB	TF	097.26	14.06	AT/BELOW 15000				

QUALITY

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DP NAME					NUMBER	DP COMPUTER CODE		SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
CHRRO					ONE	CHRRO1.CHRRO		NONE		25JAN2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
CHRRO	384520.67N/1223907.47W	Y	-	IF	-	-			CHRRO1.FMG	
POZEY	384848.14N/1222850.57W	Y	FB	TF	066.69	8.75				
BAHNZ	384700.00N/1221100.00W	Y	FB	TF	097.26	14.06	AT/BELOW 15000			
FMG VORTAC	393152.60N/1193921.87W	Y	FB	TF	068.39	126.18				
CHRRO	384520.67N/1223907.47W	Y	-	IF	-	-			CHRRO1.RALEY	
POZEY	384848.14N/1222850.57W	Y	FB	TF	066.69	8.75				
BAHNZ	384700.00N/1221100.00W	Y	FB	TF	097.26	14.06	AT/BELOW 15000			
RALEY	383419.70N/1181403.63W	Y	FB	TF	092.67	185.96				
CHRRO	384520.67N/1223907.47W	Y	-	IF	-	-			CHRRO1.RBL	
POZEY	384848.14N/1222850.57W	Y	FB	TF	066.69	8.75				
ENRQZ	390257.00N/1222603.64W	Y	FB	TF	008.72	14.30	AT/BELOW 15000			
RBL VORTAC	400556.08N/1221410.86W	Y	FB	TF	008.24	63.60				
CHRRO	384520.67N/1223907.47W	Y	-	IF	-	-			CHRRO1.SHUFL	
POZEY	384848.14N/1222850.57W	Y	FB	TF	066.69	8.75				
BAHNZ	384700.00N/1221100.00W	Y	FB	TF	097.26	14.06	AT/BELOW 15000			
DUNGN	381243.12N/1185415.01W	Y	FB	TF	101.48	158.20				
DRAGN	380608.83N/1181751.76W	Y	FB	TF	102.70	29.44				
SHUFL	374654.63N/1173921.52W	Y	FB	TF	122.05	36.01				

