

**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SUPERSEDED NUMBER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>
HWRRD	ONE	HWRRD1.HWRRD	NONE		
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 31R: CLIMB ON HEADING 310.40 TO 977, THEN DIRECT FYTNN AT OR ABOVE 2600 AT OR BELOW 230 KIAS THENCE...

TAKEOFF RWY 31L: CLIMB ON HEADING 310.41 TO 977, THEN DIRECT FYTNN AT OR ABOVE 2600 AT OR BELOW 230 KIAS, THENCE...

...ON TRACK 029.68 TO CROSS EYRSH AT OR BELOW 9000, THEN ON TRACK 090.98 TO CROSS HWRRD AT OR ABOVE 7000, THEN ON (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>
BLYTHE	HWRRD1.BLH	HWRRD	EMRUD	TRACK 125.06	12.43	5600	5600	AT/BELOW 15000
		EMRUD	TEEGE	TRACK 095.85	16.86	7000	6600	AT/BELOW FL190
		TEEGE	BLH VORTAC	TRACK 082.89	59.03	7600	7600	
NEEDLES	HWRRD1.EED	HWRRD	MYKUL	TRACK 071.33	13.11	7800	7800	
		MYKUL	FUSBL	TRACK 069.47	14.96	7800	7700	AT/ABOVE 16000
		FUSBL	DWGHT	TRACK 069.56	24.65	7800	6600	
		DWGHT	EMPRR	TRACK 032.91	10.24	7800	6600	AT/ABOVE FL230
		EMPRR	EED VORTAC	TRACK 033.02	51.31	7800	5900	
THERMAL	HWRRD1.TRM	HWRRD	EMRUD	TRACK 125.06	12.43	5600	5600	AT/BELOW 15000
		EMRUD	TRM VORTAC	TRACK 142.27	10.94	7000	4000	
FUSBL	HWRRD1.FUSBL	HWRRD	MYKUL	TRACK 071.33	13.11	7800	7800	
		MYKUL	FUSBL	TRACK 069.47	14.96	7800	7700	AT/ABOVE 16000
ZELMA	HWRRD1.ZELMA	HWRRD	MYKUL	TRACK 071.33	13.11	7800	7800	
		MYKUL	FUSBL	TRACK 069.47	14.96	7800	7700	AT/ABOVE 16000
		FUSBL	PELLU	TRACK 044.87	14.11	7800	6300	

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HWRRD	ONE	HWRRD1.HWRRD	NONE		
	PELLU	JOTNU	TRACK 007.54	12.70	7800 6600
	JOTNU	ZELMA	TRACK 006.80	29.13	7800 6900

PBN REQUIREMENT NOTES:

RNAV 1 - GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: FUSBL TRANSITION RESTRICTED TO AIRCRAFT LANDING LAS TERMINAL AREA.

TAKEOFF MINIMUMS:

RWY 31L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 977, THEN MINIMUM CLIMB OF 386 FT/NM TO 4800.

RWY 31R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 977, THEN MINIMUM CLIMB OF 373 FT/NM TO 4800.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARURE PROCEDURE (ODP).

CONTROLLING OBSTACLES:

RWY 31L/31R: 3852 FT MSL AAO 340030.00N/1162821.00W (CLIMB GRADIENT), 4035 FT MSL AAO 335942.00N/1162506.00W (CLIMB-TO ALTITUDE)

MSA:

MSA FROM KPSP, 12800

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

MAGVAR: KPSP 13E/1990.

DME/DME ASSESSMENT: UNSAT.

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KPSP	PALM SPRINGS	CA

COMMUNICATIONS:

CHART: ATIS, CLNC DEL, GND CON, PALM SPRINGS ATCT.

FIXES AND/OR NAVAIDS:

REMARKS:

DO NOT CHART MOCA: FROM HWRRD TO EMRUD, EMRUD TO TEEGE, TEEGE TO BLH VORTAC, HWRRD TO MYKUL , MYKUL TO FUSBL,



<u>DP NAME</u> HWRRD	<u>NUMBER</u> ONE	<u>DP COMPUTER CODE</u> HWRRD1.HWRRD	<u>SUPERSEDED NUMBER</u> NONE	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
<u>FLIGHT INSPECTED BY</u> THOMAS MOLOKIE	<u>SIGNATURE</u> <i>Digitally signed by</i> DAVID DANNER Apr 28, 2025 <u>SIGNATURE</u> <i>Digitally signed by</i> LEO PALMER Dec 12, 2024 <u>SIGNATURE</u>		<u>OFFICE</u> FIOG	<u>DATE</u> 10/31/2024	
<u>DEVELOPED BY</u> LEO PALMER			<u>OFFICE</u> AJV-A421	<u>DATE</u> 08/01/2024	
<u>APPROVED BY</u> DAVE DANNER			<u>OFFICE</u> AJV-A421	<u>DATE</u> 02/20/2025	<u>TITLE</u> MANAGER
<u>REQUIRED EFFECTIVE DATE</u>	Apr 28, 2025				

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER:PSP ATCT, SOCAL APP CON, AMGR

CHANGES - REASONS:
ORIG.

12/12/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/15/24.
1. ADDED "NOTE: FUSBL TRANSITION RESTRICTED TO AIRCRAFT LANDING LAS TERMINAL AREA" TO PROCEDURAL DATA NOTES.



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
HWRRD						ONE	HWRRD1.HWRRD	NONE			
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW31R (AER)	334927.27N/1162959.80W	N	-	-	-						
977 MSL	-	-	-	VA	323.40	-	AT/ABOVE 977		CG 500 FT PER NM TO 978 CG 373 FT PER NM TO 4800		
FYTNN	335436.20N/1163436.43W	Y	FB	DF	-	-	AT/ABOVE 2600	AT/BELOW 230K	RIGHT TURN		
RW31L (AER)*	34918.95N/1163002.73W*	N	-	-	-	-			*DISPL THLD (1500.098 FT)		
977 MSL	-	-	-	VA	323.41	-	AT/ABOVE 977		CG 500 FT PER NM TO 977 CG 386 FT PER NM TO 4800		
FYTNN	335436.20N/1163436.43W	Y	FB	DF	-	-	AT/ABOVE 2600	AT/BELOW 230K	RIGHT TURN		
FYTNN	335436.20N/1163436.43W	Y	-	IF	-	-	AT/ABOVE 2600	AT/BELOW 230K			
EYRSH	335805.69N/1163044.52W	Y	FB	TF	042.68	4.74	AT/BELOW 9000				
HWRRD	335654.87N/1162503.76W	Y	FB	TF	103.98	4.87	AT/ABOVE 7000				
HWRRD	335654.87N/1162503.76W	Y	-	IF	-	-	AT/ABOVE 7000	HWRRD1.BLH			
EMRUD	334738.71N/1161505.67W	Y	FB	TF	138.06	12.43	AT/BELOW 15000				
TEEGE	334209.84N/1155558.38W	Y	FB	TF	108.85	16.86	AT/BELOW FL190				
BLH VORTAC	333545.83N/1144540.58W	Y	FB	TF	095.89	59.03					
HWRRD	335654.87N/1162503.76W	Y	-	IF	-	-	AT/ABOVE 7000	HWRRD1.EED			
MYKUL	335811.74N/1160922.78W	Y	FB	TF	084.33	13.11					
FUSBL	340008.27N/1155132.75W	Y	FB	FT	082.47	14.96	AT/ABOVE 16000				
DWGHT	340316.53N/1152207.74W	Y	FB	TF	082.56	24.65					

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HWRRD		ONE		HWRRD1.HWRRD		NONE			
<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>
EMPRR	341024.52N/1151315.72W	Y	FB	TF	045.91	10.24	AT/ABOVE FL230		
EED VORTAC	344557.62N/1142826.78W	Y	FB	TF	046.02	51.31			
HWRRD	335654.87N/1162503.76W	Y	-	IF	-	-	AT/ABOVE 7000		HWRRD1.TRM
EMRUD	334738.71N/1161505.67W	Y	FB	TF	138.06	12.43	AT/BELOW 15000		
TRM VORTAC	333741.15N/1160936.70W	Y	FB	TF	155.27	10.94			
HWRRD	335654.87N/1162503.76W	Y	-	IF	-	-	AT/ABOVE 7000		HWRRD1.FUSBL
MYKUL	335811.74N/1160922.78W	Y	FB	TF	084.33	13.11			
FUSBL	340008.27N/1155132.75W	Y	FB	TF	082.47	14.96	AT/ABOVE 16000		
HWRRD	335654.87N/1162503.76W	Y	-	IF	-	-	AT/ABOVE 7000		HWRRD1.ZELMA
MYKUL	335811.74N/1160922.78W	Y	FB	TF	084.33	13.11			
FUSBL	340008.27N/1155132.75W	Y	FB	TF	082.47	14.96	AT/ABOVE 16000		
PELLU	340738.60N/1153709.02W	Y	FB	TF	057.87	14.11			
JOTNU	341933.11N/1153146.29W	Y	FB	TF	020.54	12.70			
ZELMA	344659.99N/1151947.51W	Y	FB	TF	019.80	29.13			

