

**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SUPERSEDED NUMBER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>
CNDEL	FIVE	CNDEL5.CNDEL	FOUR	09/13/2018	12AUG2021
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 28L: CLIMB ON HEADING 278.17 TO 520, THEN DIRECT TO CROSS LEJAY AT OR BELOW 2000, THEN ON TRACK 296.27 TO CNDEL, THEN LEFT TURN DIRECT TO CROSS PORTE AT OR BELOW 10000, THENCE...

TAKEOFF RWY 28R: CLIMB ON HEADING 278.18 TO 520, THEN DIRECT TO CROSS LEJAY AT OR BELOW 2000, THEN ON TRACK 296.27 TO CNDEL, THEN LEFT TURN DIRECT TO CROSS PORTE AT OR BELOW 10000, THENCE...

TAKEOFF RWY 30: CLIMB ON HEADING 296.01 TO 520, THEN DIRECT TO CROSS LEJAY AT OR BELOW 2000, THEN ON TRACK 296.27 TO CNDEL, THEN LEFT TURN DIRECT TO CROSS PORTE AT OR BELOW 10000, THENCE...

... ON (TRANSITION). MAINTAIN 10000, 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>
KTINA	CNDEL5.KTINA	PORTE	KTINA	TRACK 122.01	91.46	9000	6000	
SUSEY	CNDEL5.SUSEY	PORTE	SUSEY	TRACK 118.61	92.84	9000	6100	
KAYEX	CNDEL5.KAYEX	PORTE	KAYEX	TRACK 114.84	94.83	9000	6000	
NTLL	CNDEL5.NTLL	PORTE	UTOOB	TRACK 111.82	8.00	5700	4400	
		UTOOB	NTLL	TRACK 089.89	121.42	9000	6400	
YYUNG	CNDEL5.YYUNG	PORTE	FFOIL	TRACK 174.45	29.30	6300	3700	
		FFOIL	LIBBO	TRACK 135.39	69.89	12000	2300	
		LIBBO	YYUNG	TRACK 113.60	47.27	12000	4100	

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

TAKEOFF MINIMUMS:

RWY 10L/R, 12, 15, 33: NA - ATC.

RWY 28L/R, 30: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

TAKEOFF OBSTACLES NOTES:

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



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
CNDEL	FIVE	CNDEL5.CNDEL	FOUR	09/13/2018	12AUG2021

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

CHART: TOP ALTITUDE: 10000.

REFERENCE MAG VAR: KOAK 14E EPOCH YR: 2015.

DME/DME ASSESSMENT: SAT (RNP 2.0).

DO NOT CHART MOCA ALTITUDES.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
METRO OAKLAND INTL	KOAK	OAKLAND	CA

COMMUNICATIONS:

ATIS, CLNC DEL, CPDLC, GND CON, ATCT, NORCAL DEP CON.

FIXES AND/OR NAVAIDS:

CHART: CISK0, EBAYE, LOSHN.

REMARKS:

ABBREVIATED AMENDMENT. FLIGHT INSPECTION MAPS AND RNAV PRO RUNS RETAINED FROM CNDEL FOUR.

MOCA ALTITUDES NOT CHARTED PER ATC TO REDUCE CHART CLUTTER.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020

SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

OFFICE**DATE****DEVELOPED BY***Digitally signed by**Digitally signed by***DONALD H LANIER****OFFICE****DATE**

FRANK JACKSON

FRANK JACKSON

Apr 05, 2021

AJV-A431

03/09/2021

Mar 21, 2021

APPROVED BY*Digitally signed by***DONALD H LANIER****OFFICE****DATE****TITLE**

LONNIE EVERHART

Apr 05, 2021

AJV-A430

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:
A4A ☒
ALPA ☒
AOPA ☒
APA ☒
HAI ☐
NBAA ☒
OTHER:OAK ATCT, NORCAL APP CON, ZOA.
CHANGES - REASONS:

1. UPDATED DP ROUTE DESCRIPTION FOR ALL RUNWAYS FROM CLIMB HEADING TO CLIMB ON HEADING - IAW 8260.46G, APPENDIX E, PARA 3.
2. DELETED CISK0, EBAYE, AND LOSHN TRANSITION SEGMENTS AND ALL ASSOCIATED DATA - PER ATC REQUEST DUE TO EXCESS COORDINATION BETWEEN NORCAL APP CON AND ARTCC.
3. CHANGED TRANSITION NAMES FROM CISK0 TO KTINA, EBAYE TO SUSEY, AND LOSHN TO KAYEX - DELETED TRANSITION TERMINATION POINT AND IAW 8260.46G, APPENDIX E, PARA 4 (A).
4. UPDATED AIRPORT NAME FROM METROPOLITAN OAKLAND INTL TO METRO OAKLAND INTL - MATCH NASR AND AIRNAV DATA.
5. ADDED CHART FIXES CISK0, EBAYE, AND LOSHN - ATC REQUEST FOR COORDINATION.

QUALITY
5
CHECKED

**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>
CNDEL		FIVE		CNDEL5.CNDEL		FOUR		09/13/2018	12AUG2021
<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>
RW28L (AER)	374320.18N/1221221.63W	N	-	-	-	-			
520 MSL	-	-	-	VA	292.17	-	AT/ABOVE 520		CG 500 FT PER NM TO 520
LEJAY	374542.13N/1221816.83W	Y	FB	DF	-	-	AT/BELOW 2000		
CNDEL	374659.77N/1222012.33W	Y	FO	TF	310.27	2.00			
PORTE	372923.23N/1222828.48W	Y	FB	DF	-	18.77	AT/BELOW 10000		LEFT TURN
RW28R (AER)	374329.32N/1221216.93W	N	-	-	-	-			
520 MSL	-	-	-	VA	292.18	-	AT/ABOVE 520		CG 500 FT PER NM TO 520
LEJAY	374542.13N/1221816.83W	Y	FB	DF	-	-	AT/BELOW 2000		
CNDEL	374659.77N/1222012.33W	Y	FO	TF	310.27	2.00			
PORTE	372923.23N/1222828.48W	Y	FB	DF	-	18.77	AT/BELOW 10000		LEFT TURN
RW30 (AER)*	374206.10N/1221252.41W*	N	-	-	-	-			*DISPL THLD (114 FT)
520 MSL	-	-	-	VA	310.01	-	AT/ABOVE 520		CG 500 FT PER NM TO 520
LEJAY	374542.13N/1221816.83W	Y	FB	DF	-	-	AT/BELOW 2000		
CNDEL	374659.77N/1222012.33W	Y	FO	TF	310.27	2.00			
PORTE	372923.23N/1222828.48W	Y	FB	DF	-	18.77	AT/BELOW 10000		LEFT TURN
PORTE	372923.23N/1222828.48W	Y	-	IF	-	-	AT/BELOW 10000		CNDEL5.KTINA
KTINA	362303.60N/1210948.62W	Y	FB	TF	136.01	91.46			

QUALITY
5
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>
CNDEL							FIVE	CNDEL5.CNDEL	FOUR	09/13/2018	12AUG2021
<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>		
PORTE	372923.23N/1222828.48W	Y	-	IF	-	-	AT/BELOW 10000		CNDEL5.SUSEY		
SUSEY	362556.87N/1210347.99W	Y	FB	TF	132.61	92.84					
PORTE	372923.23N/1222828.48W	Y	-	IF	-	-	AT/BELOW 10000		CNDEL5.KAYEX		
KAYEX	362914.95N/1205652.29W	Y	FB	TF	128.84	94.83					
PORTE	372923.23N/1222828.48W	Y	-	IF	-	-	AT/BELOW 10000		CNDEL5.NTELL		
UTOOB	372441.75N/1222019.98W	Y	FB	TF	125.82	8.00					
NTELL	365358.99N/1195322.21W	Y	FB	TF	103.89	121.42					
PORTE	372923.23N/1222828.48W	Y	-	IF	-	-	AT/BELOW 10000		CNDEL5.YYUNG		
FFOIL	370022.33N/1223351.08W	Y	FB	TF	188.45	29.30					
LIBBO	360000.00N/1215000.00W	Y	FB	TF	149.39	69.89					
YYUNG	353057.90N/1210407.27W	Y	FB	TF	127.60	47.27					

