This is a corrected copy of the procedure previously published in NFDD 152.

# FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE **GRAPHIC DEPARTURE PROCEDURES (DP)**

0/20/2019

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 statue miles or feet RVR unless otherwise indicated.

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DP NAN	I <u>E</u>					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
OZIEE						FOUR	OZIEE4.OZIEE	THREE	06/22/2017	10/10/2019
TYPE:	<b>OBSTACLE</b>	COPTER	SID	SPECIAL	RNAV					
			$\boxtimes$		$\boxtimes$					
DP ROU	TE DESCRIPTION	ON:								
TAKEOF	F RWY 1L: CLIN	MB ON HEADII	NG 005.74 TC	INTERCEPT CC	URSE 289.7	72 TO FIRTO AT OR ABO	OVE 2700, THEN ON TRACK	350.11 TO OZIEE AT OR ABOV	E 6000,	

THENCE...

TAKEOFF RWY 1R: CLIMB ON HEADING 005.74 TO INTERCEPT COURSE 291.32 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000, THENCE...

TAKEOFF RWY 19L: CLIMB ON HEADING 185.74 TO INTERCEPT COURSE 268.50 TO KLARK, THEN ON TRACK 341.68 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000. THENCE...

TAKEOFF RWY 19R: CLIMB ON HEADING 185.74 TO INTERCEPT COURSE 271.53 TO KLARK, THEN ON TRACK 341.68 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000, THENCE...

TAKEOFF RWY 24: CLIMB ON HEADING 241,75 TO INTERCEPT COURSE 265,37 TO KLARK, THEN ON TRACK 341,68 TO FIRTO AT OR ABOVE 2700. THEN ON TRACK 350,11 TO OZIEE AT OR ABOVE 6000, THENCE...

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

### TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	<u>TO</u> <u>FIX/NAVAID</u>	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
MUSTANG	OZIEE4.FMG	OZIEE	WAVED	TRACK 048.27	5.73			
		WAVED	FMG VORTAC	TRACK 048.20	136.33	16000		
INSLO	OZIEE4.INSLO	OZIEE	WAVED	TRACK 048.27	5.73			
		WAVED	INSLO	TRACK 071.34	234.33	FL210		
JSICA	OZIEE4.JSICA	OZIEE	WAVED	TRACK 048.27	5.73			
		WAVED	JSICA	TRACK 073.66	234.96	FL270		
COALDALE	OZIEE4.OAL	OZIEE	WAVED	TRACK 048.27	5.73			
		WAVED	SAC VORTAC	TRACK 083.87	34.64			AT/ABOVE 10000
		SAC VORTAC	OAL VORTAC	TRACK 082.23	180.71	FL180		
RED BLUFF	OZIEE4.RBL	OZIEE	RBL VORTAC	TRACK 349.10	96.57	12000		7
								CHECKED

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# FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE GRAPHIC DEPARTURE PROCEDURES (DP)

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DP NAMENUMBERDP COMPUTER CODESUPERSEDED NUMBERDATEDEFFECTIVE DATEOZIEEFOUROZIEE4.OZIEETHREE06/22/201710/10/2019

PROCEDURAL DATA NOTES:

**NOTE:** RADAR REQUIRED.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT, PYE, MOD, FMG, MVA, HZN, AND OAL DMES MUST BE OPERATIONAL FOR JSICA TRANSITION.

**NOTE**: FOR NON-GPS EQUIPPED AIRCRAFT, PYE, MVA AND HZN DMES MUST BE OPERATIONAL FOR INSLO TRANSITION. **NOTE**: FOR NON-GPS EQUIPPED AIRCRAFT, PYE AND SWR DMES MUST BE OPERATIONAL FOR MUSTANG TRANSITION.

**TAKEOFF MINIMUMS:** 

RWY 6: NA - OBSTACLES.

RWY 1L: STANDARD WITH MINIMUM CLIMB OF 445 FT PER NM TO 6000.
RWY 1R: STANDARD WITH MINIMUM CLIMB OF 460 FEET PER NM TO 6000.
RWY 19L: STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 6000.
RWY 19R: STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 6000.
RWY 24: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 6000.

### **TAKEOFF OBSTACLES NOTES:**

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

#### CONTROLLING OBSTACLES:

RWY 1L: 1009 FT MSL TREE 381552.42N/1221428.89W (CLIMB GRADIENT), 2877 FT MSL AAO 382234.80N/1222641.10W (CLIMB-TO ALTITUDE).

RWY 1R: 1240 FT MSL AAO 381609.99N/1221347.51W (CLIMB GRADIENT), 2877 FT MSL AAO 382234.80N/1222641.10W (CLIMB-TO ALTITUDE).

RWYS 19L/R. 24: 2877 FT MSL AAO 382234.80N/1222641.10W (CLIMB GRADIENT).

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT**: 1L/R, 19L/R, 24: 1840 FT MSL AAO 381554.15N/1221249.57W (CLIMB GRADIENT), 2459 FT MSL AAO 381822.54N/1221017.47W (CLIMB-TO ALTITUDE).

#### LOST COMMUNICATIONS PROCEDURES:

**ADDITIONAL FLIGHT DATA:** 

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

REFERENCE MAG VAR: KAPC 15E EPOCH YR: 2005.

DME/DME ASSESSMENT: SAT (RNP 2.0).

**AIRPORTS SERVED:** 

AIRPORT NAME

NAPA COUNTY (KAPC)

NAPA

CA

CA

**COMMUNICATIONS:** 

ATIS, GND CON, OAKLAND CENTER

**FIXES AND/OR NAVAIDS:** 

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<u>DP NAME</u>	<u>NUMBER</u>	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DAT
OZIEE	FOUR	OZIEE4.OZIEE	THREE	06/22/2017	10/10/2019
REMARKS:					
FLIGHT INSPECTED BY: PROCESSED IAW AIRCRAFT OPERATIONS FLIGHT INSPECTION REVIEW NOT REQUIR	, , , , ,	ER 3, 2018, SUBJECT:		DATE: Digitally signed by DAVID TEFFETELL Aug 14, 2019	
DEVELOPED BY:		Digitally signed by	OFFICE SYMBOL:	DATE:	
ANDREA CHANEY	,	DAVID TEFFETELLER Aug 14, 2019	AJV-A433 04/	/26/2019	
APPROVED BY:	Digitally signed by		OFFICE SYMBOL:	DATE:	
GEORGE DAVIS	DAVID TEFFETELLER Aug 14, 2019		AJV-A430		
REQUIRED EFFECTIVE DATE: 10/10/2019	, leg 1 , 20 le				
COORDINATED WITH:					

# OTHER:

A4A

ZOA, NORCAL APP CON, KAPC ATCT, ARPT MGR

**AOPA** 

 $\square$ 

**APA** 

#### **CHANGES - REASONS:**

**ALPA** 

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1. CHANGED ALL REFERENCES TO RWYS 36L/R AND 18L/36R TO 1L/R AND 19L/1R - RENUMBERING OF RUNWAYS.

**NBAA** 

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- 2. DP ROUTE DESCRIPTION FOR TAKEOFF RW01L CHANGED FROM 'CLIMB HEADING 005.73 TO 1500, THEN CLIMBING LEFT TURN DIRECT TO CROSS FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO CROSS OZIEE AT OR ABOVE 6000' TO 'CLIMB ON HEADING 005.74 TO INTERCEPT COURSE 289.72 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000' VI/ CF LEGS USED FOR EVALUATION.
- 3. DP ROUTE DESCRIPTION FOR TAKEOFF RW01R CHANGED FROM 'CLIMB HEADING 005.75 TO 1500, THEN CLIMBING LEFT TURN DIRECT TO CROSS FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO CROSS OZIEE AT OR ABOVE 6000' TO 'CLIMB ON HEADING 005.74 TO INTERCEPT COURSE 291.32 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000' VI/ CF LEGS USED FOR EVALUATION.
- 4. DP ROUTE DESCRIPTION FOR TAKEOFF RW19L CHANGED FROM 'CLIMB HEADING 185.75 TO 1000, THEN CLIMBING RIGHT TURN DIRECT KLARK, THEN ON TRACK 341.68 TO CROSS FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO CROSS OZIEE AT OR ABOVE 6000' TO 'CLIMB ON HEADING 185.74 TO INTERCEPT COURSE 268.50 TO KLARK, THEN ON TRACK 341.68 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000' VI/CF LEGS USED FOR EVALUATION.
- 5. DP ROUTE DESCRIPTION FOR TAKEOFF RW19R CHANGED FROM 'CLIMB HEADING 185.74 TO 1000, THEN CLIMBING RIGHT TURN DIRECT KLARK, THEN ON TRACK 341.68 TO CROSS FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO CROSS OZIEE AT OR ABOVE 6000' TO 'CLIMB ON HEADING 185.74 TO INTERCEPT COURSE 271.53 TO KLARK, THEN ON TRACK 341.68 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000' VI/CF LEGS USED FOR EVALUATION.
- 6. DP ROUTE DESCRIPTION FOR TAKEOFF RW24 CHANGED FROM 'CLIMB HEADING 241.74 TO 1200, THEN CLIMBING RIGHT TURN DIRECT KLARK, THEN ON TRACK 341.68 TO CROSS FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO CROSS OZIEE AT OR ABOVE 6000' TO 'CLIMB ON HEADING 241.75 TO INTERCEPT COURSE 265.37 TO KLARK, THEN ON TRACK 341.68 TO FIRTO AT OR ABOVE 2700, THEN ON TRACK 350.11 TO OZIEE AT OR ABOVE 6000' VI/CF LEGS USED FOR EVALUATION.
- 7. FOR MUSTANG, INSLO, JSICA AND COALDALE TRANSITION ROUTES: OZIEE TO WAVED CHANGED FROM 5.73 NM TO 6.25 TO MEET MINIMUM LEG LENGTH REQUIREMENT WITH NEW EVALUATION, WAVED MOVED .52 NM NORTHEAST.
- 8. MUSTANG TRANSITION, WAVED TO FMG VORTAC, COURSE/DISTANCE CHANGED FROM 48.20/136.33 NM TO 48.22/135.81 NM WITH WAVED FIX MOVING NORTHEAST.
- 9. INSLO TRANSITION, WAVED TO INSLO, COURSE/DISTANCE CHANGED FROM 071.34/234.33 NM TO 71.40/233.86 NM WITH WAVED FIX MOVING NORTHEAST. MEA CHANGED FROM FL190 TO FL210 UPDATED ENROUTE DATA.

# FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE GRAPHIC DEPARTURE PROCEDURES (DP)

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DP NAMENUMBERDP COMPUTER CODESUPERSEDED NUMBERDATEDEFFECTIVE DATEOZIEEFOUROZIEE4.OZIEETHREE06/22/201710/10/2019

- 10. JSICA TRANSITION, WAVED TO JSICA, COURSE/DISTANCE CHANGED FROM 73.66/234.96 NM TO 73.72/234.50 NM WITH WAVED FIX MOVING NORTHEAST. MEA CHANGED FROM FL190 TO FL270 UPDATED ENROUTE DATA.
- 11. COALDALE TRANSITION, WAVED TO SAC VORTAC, COURSE/DISTANCE CHANGED FROM 83.87/34.64 NM TO 84.41/34.23 NM WITH WAVED FIX MOVING NORTHEAST.
- 12. TAKEOFF MINIMUMS, RWYS 19L/R CHANGED FROM 'STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 6000' TO 'STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 6000' TO CLEAR OBSTACLE PENETRATION.
- 13. TAKEOFF OBSTACLES NOTES REMOVED AND NOTE ADDED: SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) IAW 8260.46G CRITERIA.
- 14. CONTROLLING OBSTACLE FOR RW01L CHANGED FROM '2877 FEET MSL AAO 382238.10N/1222640.50W (CLIMB-TO ALTITUDE)' TO '2877 FT MSL AAO 382234.80N/1222641.10W (CLIMB-TO ALTITUDE)' NEW EVALUATION.
- 15. CONTROLLING OBSTACLE FOR RW01R CHANGED FROM '1279 FEET MSL AAO 381603.33N/1221353.52W (CLIMB GRADIENT), 2877 FEET MSL AAO 382238.10N/1222640.50W (CLIMB-TO ALTITUDE)' TO '1240 FT MSL AAO 381609.99N/1221347.51W (CLIMB GRADIENT), 2877 FT MSL AAO 382234.80N/1222641.10W (CLIMB-TO ALTITUDE)' NEW EVALUATION.
- 16. CONTROLLING OBSTACLE FOR RW19L/R AND 24 CHANGED FROM '2877 FEET MSL AAO 382238.10N/1222640.50W' TO '2877 FT MSL AAO 382234.80N/1222641.10W (CLIMB GRADIENT)' NEW EVALUATION.
- 17. CONTROLLING OBSTACLE MANDATING ODP ROUTE DEVELOPMENT (FOR RWYS 1L/R, 19L/R AND 24) CHANGED FROM '2458 FEET MSL AAO 381821.00N/1221015.00W' TO '1840 FT MSL AAO 381554.15N/1221249.57W (CLIMB GRADIENT), 2459 FT MSL AAO 381822.54N/1221017.47W (CLIMB-TO ALTITUDE)' NEW EVALUATION.
- 18. AIRPORTS SERVED: ICAO ID ADDED PER 8260.46G CRITERIA.

#### 8/9/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 8/2/2019

- 19. FOR MUSTANG, INSLO, JSICA AND COALDALE TRANSITION ROUTES: WAVED WILL REMAIN AT ITS CURRENT LOCATION, OZIEE TO WAVED 048.27/5.73 NM.
- 20. MUSTANG TRANSITION, WAVED TO FMG VORTAC, COURSE/DISTANCE 48.20/136.33 NM.
- 21. INSLO TRANSITION, WAVED TO INSLO, COURSE/DISTANCE 071.34/234.33 NM.
- 22. JSICA TRANSITION, WAVED TO JSICA, COURSE/DISTANCE 73.66/234,96 NM.
- 23. COALDALE TRANSITION, WAVED TO SAC VORTAC, COURSE/DISTANCE 83.87/34.64 NM.



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

DP NAME OZIEE							NUMBER FOUR	DP COMP	UTER CODE 4.OZIEE	SUPERSEDED NUMBER THREE	<b>DATED</b> 06/22/2017	<b>EFFECTIVE DATE</b> 10/10/2019
FIX/NAVAID	<u>LAT/LONG</u>	<u>C</u>	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUD	<u>DE</u>	SPEED		REMARKS	
RW01L (AER)	381228.72N / 1221706.98W	N	-	-	-	-						
-	381420.42N / 1221613.35W	-	-	VI	020.74	1.01				CG 445 FT/NM TO 6000		
FIRTO	381848.90N / 1222424.12W	Υ	FB	CF	304.72	7.84	AT/ABOVE 2	2700				
OZIEE	382932.00N / 1222311.00W	Υ	FB	TF	005.11	10.75	AT/ABOVE (	6000				
RW01R (AER)	381243.48N / 1221653.03W	N	-	-	-	-						
-	381404.49N / 1221614.13W	-	-	VI	020.74	1.03				CG 460 FT/NM TO 6000		
FIRTO	381848.90N / 1222424.12W	Υ	FB	CF	306.32	7.99	AT/ABOVE 2	2700				
OZIEE	382932.00N / 1222311.00W	Υ	FB	TF	005.11	10.75	AT/ABOVE (	6000				
RW19L (AER)	381306.68N / 1221641.89W	N	-	-	-	-						
-	381144.67N / 1221721.25W	-	-	VI	200.74	1.05				CG 260 FT/NM TO 6000		
KLARK	381300.09N / 1222358.46W	Υ	FB	CF	283.50	5.37						
FIRTO	381848.90N / 1222424.12W	Υ	FB	TF	356.68	5.82	AT/ABOVE 2	2700				
OZIEE	382932.00N / 1222311.00W	Υ	FB	TF	005.11	10.75	AT/ABOVE 6	6000				
RW19R (AER)	381323.54N / 1221640.67W	N	-	-	-	-						
-	381130.13N / 1221735.09W	-	-	VI	200.74	1.04				CG 260 FT/NM TO 6000		
KLARK	381300.09N / 1222358.46W	Υ	FB	CF	286.53	5.25						
FIRTO	381848.90N / 1222424.12W	Υ	FB	TF	356.68	5.82	AT/ABOVE 2	2700				
OZIEE	382932.00N / 1222311.00W	Υ	FB	TF	005.11	10.75	AT/ABOVE 6	6000				

NFDD No. 161 08/20/2019 43

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

DP NAME OZIEE							NUMBER FOUR	OZIEE4.OZIEE	SUPERSEDED NUMBER THREE	<b>DATED</b> 06/22/2017	10/10/2019
FIX/NAVAID	<u>LAT/LONG</u>	<u>C</u>	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW24 (AER)	381239.10N / 1221617.48W	N	-	-	-	-					
-	381213.38N / 1221835.82W	-	-	VI	256.75	1.04			CG 400 FT/NM TO 6000		
KLARK	381300.09N / 1222358.46W	Υ	FB	CF	280.37	4.31					
FIRTO	381848.90N / 1222424.12W	Υ	FB	TF	356.68	5.82	AT/ABOVE 2	700			
OZIEE	382932.00N / 1222311.00W	Υ	FB	TF	005.11	10.75	AT/ABOVE 6	000			
OZIEE	382932.00N / 1222311.00W	Y	-	IF	-	-			OZIEE4.FMG		
WAVED	383206.56N / 1221639.79W	Υ	FB	TF	063.27	5.73					
FMG VORTAC	393152.60N / 1193921.87W	Υ	FB	TF	063.20	136.33					
OZIEE	382932.00N / 1222311.00W	Υ	-	IF	-	-			OZIEE4.INSLO		
WAVED	383206.56N / 1221639.79W	Υ	FB	TF	063.27	5.73					
INSLO	381011.90N / 1171753.20W	Υ	FB	TF	086.34	324.33					
OZIEE	382932.00N / 1222311.00W	Y	-	IF	-	-			OZIEE4.JSICA		
WAVED	383206.56N / 1221639.79W	Υ	FB	TF	063.27	5.73					
JSICA	383113.86N / 1171712.54W	Υ	FB	TF	088.66	234.96					
OZIEE	382932.00N / 1222311.00W	Y	-	IF	-	-			OZIEE4.OAL		
WAVED	383206.56N / 1221639.79W	Υ	FB	TF	063.27	5.73					
SAC VORTAC	382637.48N / 1213305.94W	Υ	FB	TF	098.87	34.64	AT/ABOVE 10	0000			
OAL VORTAC	380011.74N / 1174613.61W	Υ	FB	TF	097.23	180.71					0 <sup>1</sup> /2/7/2
											CHECKED

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

DELYNTONE (BYTTY NEEDOND)												
DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	<b>EFFECTIVE DATE</b>	
OZIEE							FOUR	OZIEE4.OZIEE	THREE	06/22/2017	10/10/2019	
FIX/NAVAID LAT/LONG		C FO/FB LEG TYPE		TC DIST		ALTITUE	DE SPEED		REMARKS	EMARKS		
OZIEE	382932.00N / 1222311.00W	Υ	-	IF	-	-			OZIEE4.RBL			
RBL VORTAC	400556.08N / 1221410.86W	Υ	FB	TF	004.10	96.57						