

**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SUPERSEDED NUMBER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>
FICHU	FOUR	FICHU4.HABXU	THREE	01/30/2020	3 NOVEMBER 2022
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 17: CLIMB ON HEADING 174.17 TO 2700, THEN CLIMB DIRECT TO FICHU, THEN ON TRACK 174.15 TO GONAQ, THEN ON TRACK 249.79 TO HABXU, MAINTAIN 7000. CONTINUE CLIMB IN HOLD IN HABXU HOLDING PATTERN (HOLD W, RT, 069.79 INBOUND) TO CROSS HABXU AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

**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>
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**PROCEDURAL DATA NOTES:**

**PBN REQUIREMENTS NOTES:**

RNAV 1 - GPS.

**EQUIPMENT REQUIREMENT NOTES:**

**TAKEOFF MINIMUMS:**

RWY 11, 29: NA - ENVIRONMENTAL.

RWY 35: NA-ATC.

RWY 17: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 790 FT PER NM TO 2400.

**TAKEOFF OBSTACLES NOTES:**

NOTE: RWY 17, VEGETATION 31 FT FROM DER, 196 FT RIGHT OF CENTERLINE, 2083 FT MSL. TREE 148 FT FROM DER, 387 FT RIGHT OF CENTERLINE, 2108 FT MSL. TREES BEGINNING 180 FT FROM DER, 287 FT LEFT OF CENTERLINE, UP TO 2126 FT MSL. TREE 262 FT FROM DER, 527 FT RIGHT OF CENTERLINE, 2163 FT MSL. TREES BEGINNING 353 FT FROM DER, 240 FT LEFT OF CENTERLINE, UP TO 2127 FT MSL. TREES, TRAVERSE WAY, POLE, TERRAIN, VEGETATION BEGINNING 414 FT FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 2188 FT MSL. TREE 456 FT FROM DER, 325 FT LEFT OF CENTERLINE, 2130 FT MSL. TREES BEGINNING 492 FT FROM DER, 109 FT LEFT OF CENTERLINE, UP TO 2133 FT MSL. TREES BEGINNING 725 FT FROM DER, 26 FT LEFT OF CENTERLINE, UP TO 2171 FT MSL. TREES BEGINNING 1259 FT FROM DER, 57 FT LEFT OF CENTERLINE, UP TO 2181 FT MSL. TREE 1527 FT FROM DER, 892 FT RIGHT OF CENTERLINE, 2205 FT MSL. TREE 1620 FT FROM DER, 859 FT RIGHT OF CENTERLINE, 2220 FT MSL. TREES BEGINNING 1665 FT FROM DER, 895 FT RIGHT OF CENTERLINE, UP TO 2238 FT MSL. TREE 2151 FT FROM DER, 983 FT LEFT OF CENTERLINE, 2212 FT MSL. TREES, TOWER BEGINNING 2195 FT FROM DER, 442 FT LEFT OF CENTERLINE, UP TO 2273 FT MSL. TREE 5936 FT FROM DER, 560 FT LEFT OF CENTERLINE, 2239 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 17: 2238 FT MSL TREE 380111.98N/1202507.17W (CG).

RWY 17: 2273 FT MSL TREE 380103.48N/1202444.86W (CGTA/CEILING).

RWY 17: 2239 FT MSL TREE 380027.83N/1202458.40W (VIS).



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FICHU	FOUR	FICHU4.HABXU	THREE	01/30/2020	3 NOVEMBER 2022

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 17: 10771 FT MSL AAO 375315.00N/1193127.00W.

MSA:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: 022 16E EPOCH YR: 1985  
 CHART: HOLDING PATTERN AT HABXU, HOLD WEST, RT, 069.79 INBOUND, 7 DME LEGS.  
 CHART: V459  
 DME/DME ASSESSMENT: NOT CONDUCTED.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
O22	COLUMBIA	CA

COMMUNICATIONS:

CHART: NORCAL (N) 125.1 (W) 363.2  
 CHART: OAKLAND CENTER (E) 126.85  
 CHART: RANCHO MURIETA RADIO (RUI)

FIXES AND/OR NAVAIDS:

OXJEF, LIN VOR/DME.

REMARKS:

ABBREVIATED AMENDMENT.

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
SHAWN D MAXWELL	<b>DONALD E SMITH</b>	FPO	4/14/2022	
	Sep 07, 2022			
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
STEVEN WINNER	<b>STEVEN E WINNER</b>	AJV-A413	07/11/2022	
	Jul 11, 2022			
<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JULIE MORGAN	<b>DONALD E SMITH</b>	AJV-A410		MANAGER
	Sep 07, 2022			

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ARPT MGR, NOR CAL APP CON, ZOA.



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FICHU	FOUR	FICHU4.HABXU	THREE	01/30/2020	3 NOVEMBER 2022

**CHANGES - REASONS:**

1. UPDATED DP ROUTE DESCRIPTION TAKEOFF RWY 17 FROM: "CLIMB ON HEADING 174.17 TO 2621, THEN CLIMB DIRECT TO FICHU, THEN ON TRACK 174.15 TO GONAQ, THEN ON TRACK 249.79 TO HABXU. CONTINUE CLIMB IN HOLD IN HABXU HOLDING PATTERN (HOLD W, RT, 069.79 INBOUND) TO CROSS HABXU AT OR ABOVE MEA FOR ROUTE OF FLIGHT" TO "CLIMB ON HEADING 174.17 TO 2700, THEN CLIMB DIRECT TO FICHU, THEN ON TRACK 174.15 TO GONAQ, THEN ON TRACK 249.79 TO HABXU, MAINTAIN 7000. CONTINUE CLIMB IN HOLD IN HABXU HOLDING PATTERN (HOLD W, RT, 069.79 INBOUND) TO CROSS HABXU AT OR ABOVE MEA FOR ROUTE OF FLIGHT" - PER 8260.46H CRITERIA.
2. UPDATED PROCEDURAL DATA NOTES FROM: NOTE: GPS REQUIRED AND RNAV 1 TO RNAV 1 - GPS AND MOVED TO PBN REQUIREMENTS NOTES SECTION - PER 8260.46H CRITERIA.
3. UPDATED TAKEOFF MINIMUMS FROM RWY 17: 300-1 OR STANDARD WITH A MINIMUM CLIMB GRADIENT OF 766 FT PER NM TO 2300 FT TO RWY 17: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 790 FT PER NM TO 2400. - NEW/UPDATED OBSTS CAUSED NEW CG AND CGTA (CANX T-NOTAM FDC 1/9614).
4. UPDATED TAKEOFF OBST NOTES - NEW AND OR UPDATED OBSTACLES.
5. UPDATED CONTROLLING OBSTACLES AS FOLLOWS: ADDED RWY 17: 2238 FT MSL TREE 380111.98N/1202507.17W (CG) AND RWY 17: 2239 FT MSL TREE 380027.83N/1202458.40W (VIS) - NEW AND OR UPDATED OBSTACLES FOR CG AND VIS.

08/30/2022: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/20/2022.

1 KO22 CHANGED TO O22 IN ADDITIONAL FLIGHT DATA AND AIRPORTS SERVED.

2. PAGE NUMBERS CHANGED FROM 3 AND 1 PAGE DOCUMENTS TO A SINGLE 4 PAGE DOCUMENT.



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
FICHU						FOUR	FICHU4.HABXU	THREE	01/30/2020	3 NOVEMBER 2022
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW17 (AER)*	380206.21N/1202443.17W*	N	-	-	-	-			*DISP THLD (598 FT)	
2700 MSL	-	-	-	VA	190.17	-	AT/ABOVE 2700		CG 790 FT/NM TO 2400	
FICHU	375736.97N/1202544.10W	Y	FB	DF	-	-				
GONAQ	375240.95N/1202650.97W	Y	FB	TF	190.15	5.01				
HABXU	375204.60N/1203706.81W	Y	FO	TF	265.79	8.15				
HABXU	375204.60N/1203706.81W	Y	FO	HM	085.79	7.00	AT/ABOVE 7000		RIGHT TURNS	

