

**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SUPERSEDED NUMBER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>
SAHEY	FOUR	SAHEY4.SAHEY	THREE	08/20/2015	<b>12AUG2021</b>

<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 10L:** CLIMB ON HEADING 103.79 TO 520, THEN CLIMB DIRECT ORYAN, THEN ON TRACK 102.44 TO SAHEY, THENCE...

**TAKEOFF RWY 10R:** CLIMB ON HEADING 103.79 TO 520, THEN CLIMB DIRECT URRSA, THEN ON TRACK 101.00 TO SAHEY, THENCE...

**TAKEOFF RWY 19L:** CLIMB ON HEADING 193.81 TO 520, THEN CLIMBING LEFT TURN DIRECT TO SAHEY, THENCE...

**TAKEOFF RWY 19R:** CLIMB ON HEADING 193.81 TO 520, THEN CLIMBING LEFT TURN DIRECT TO SAHEY, THENCE...

... ON (TRANSITION). MAINTAIN FL190, 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	SAHEY4.KTINA	SAHEY	MAAYS	TRACK 123.67	6.86	6000		AT/ABOVE 6000
		MAAYS	MCOVY	TRACK 126.11	10.01	9000		AT/ABOVE 9000
		MCOVY	KTINA	TRACK 130.63	71.14	9000	5800	
SUSEY	SAHEY4.SUSEY	SAHEY	MAAYS	TRACK 123.67	6.86	6000		AT/ABOVE 6000
		MAAYS	MCOVY	TRACK 126.11	10.01	9000		AT/ABOVE 9000
		MCOVY	SUSEY	TRACK 126.13	71.77	9000	5800	
KAYEX	SAHEY4.KAYEX	SAHEY	MAAYS	TRACK 123.67	6.86	6000		AT/ABOVE 6000
		MAAYS	MCOVY	TRACK 126.11	10.01	9000		AT/ABOVE 9000
		MCOVY	KAYEX	TRACK 121.09	73.04	9000	6000	
NTELL	SAHEY4.NTELL	SAHEY	CIITY	TRACK 101.00	5.00	5000		AT/ABOVE 5000
		CIITY	HOPII	TRACK 097.47	16.15	9000	4700	AT/ABOVE 13000
		HOPII	NTELL	TRACK 094.35	98.64	9000	6300	

**PROCEDURAL DATA NOTES:**

- NOTE:** RNAV 1.
- NOTE:** DME/DME/IRU OR GPS REQUIRED.



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SAHEY	FOUR	SAHEY4.SAHEY	THREE	08/20/2015	12AUG2021

**NOTE:** RADAR REQUIRED.  
 NOTE: RWY 19L/R DO NOT EXCEED 250 KIAS UNTIL ESTABLISHED DIRECT SAHEY.

**TAKEOFF MINIMUMS:**

**RWY 1L/R, 28L/R:** NA - ATC.  
**RWY 10L/R:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.  
**RWY 19L/R:** STANDARD WITH MINIMUM CLIMB OF 575 FT PER NM TO 2000.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

RWY 19L/R: 719 FT MSL TREE 373502.00N/1222400.00W, 1249 FT MSL AAO 373313.86N/1222414.60W.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**CHART:** TOP ALTITUDE: FL 190.  
 REFERENCE MAG VAR: KSFO 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>
SAN FRANCISCO INTL	KSFO	SAN FRANCISCO	CA

**COMMUNICATIONS:**

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

**FIXES AND/OR NAVAIDS:**

**CHART:** CISKO, EBAYE, LOSHN.

**REMARKS:**

ABBREVIATED AMENDMENT. FLIGHT INSPECTION MAPS AND RNAV PRO RUNS RETAINED FROM SAHEY THREE.  
 MOCA ALTITUDES NOT CHARTED PER ATC TO REDUCE CHART CLUTTER.  
 APPROVAL ON FILE FOR CLIMB GRADIENT EXCEEDING 500 FT PER NM TO 2000 FOR RWY 19L/R.

**FLIGHT INSPECTED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020  
 SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

**OFFICE**                      **DATE**

*Digitally signed by*

**DONALD H LANIER**

Apr 07, 2021

**DEVELOPED BY**

FRANK JACKSON

*Digitally signed by*

**FRANK JACKSON**

Mar 21, 2021

**OFFICE**                      **DATE**

AJV-A431

03/14/2021

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*

**DONALD H LANIER**

Apr 07, 2021

**OFFICE**                      **DATE**

AJV-A430

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SAHEY	FOUR	SAHEY4.SAHEY	THREE	08/20/2015	12AUG2021

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:**SFO 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. CHANGED TRANSITION NAMES FROM CISKO TO KTINA, EBAYE TO SUSEY AND LOSHN TO KAYEX AND ALL ASSOCIATED DATA - DELETED SEGMENTS FROM KTINA TO CISKO, SUSEY TO EBAYE AND KAYEX TO LOSHN PER ATC REQUEST DUE TO EXCESS COORDINATION BETWEEN NORCAL APP CON AND ARTCC AND IAW 8260.46G APPENDIX E, PARA 4 (A).
3. UPDATED DP ROUTE DESCRIPTION FOR RUNWAYS 10L/R FROM THEN DIRECT TO THEN CLIMB DIRECT - IAW 8260.46G APPENDIX E, PARA 3 (E).
4. UPDATED DP ROUTE DESCRIPTION FOR RUNWAYS 19L/R FROM THEN LEFT TURN TO THEN CLIMBING LEFT TURN - IAW 8260.46G APPENDIX E, PARA 3 (E).
5. MOVED NOTE RWY 19L/R DO NOT EXCEED 250 KIAS UNTIL ESTABLISHED DIRECT SAHEY FROM ADDITIONAL FLIGHT DATA TO PROCEDURAL DATA NOTES - IAW 8260.46G, PARA 2-1-1E (3)(B).
6. UPDATED TAKEOFF MINIMUMS FROM RWY 10L/R: 500 FT/NM TO 520 TO STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520 AND RWY 19L/R: 575 FT/NM TO 2000 TO STANDARD WITH MINIMUM CLIMB OF 575 FT PER NM TO 2000 - IAW 8260.46G APPENDIX E, PARA 6.
7. DELETED TAKEOFF OBSTACLE NOTES AND ADDED SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - IAW 8260.46G APPENDIX E, PARA 7.
8. ADDED CHART FIXES CISKO, EBAYE, AND LOSHN - ATC REQUEST FOR COORDINATION.



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>				
SAHEY	FOUR	SAHEY4.SAHEY	THREE	08/20/2015	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>
RW10L (AER)	373743.46N/1222336.21W	N	-	-	-	-			
520 MSL	-	-	-	VA	117.79	-	AT/ABOVE 520		CG 500 FT PER NM TO 520
ORYAN	373617.72N/1222011.80W	Y	FB	DF	-	-			
SAHEY	373406.42N/1221440.40W	Y	FB	TF	116.44	4.90			
RW10R (AER)	373734.65N/1222335.18W	N	-	-	-	-			
520 MSL	-	-	-	VA	117.79	-	AT/ABOVE 520		CG 500 FT PER NM TO 520
URRSA	373611.20N/1222016.23W	Y	FB	DF	-	-			
SAHEY	373406.42N/1221440.40W	Y	FB	TF	115.00	4.91			
RW19L (AER)	373738.43N/1222201.60W	N	-	-	-	-			
520 MSL	-	-	-	VA	207.81	-	AT/ABOVE 520	AT/BELOW 250K	CG 575 FT PER NM TO 2000
SAHEY	373406.42N/1221440.40W	Y	FB	DF	-	-			LEFT TURN
RW19R (AER)	373735.33N/1222214.19W	N	-	-	-	-		AT/BELOW 250K	CG 575 FT PER NM TO 2000
520 MSL	-	-	-	VA	207.81	-	AT/ABOVE 520		LEFT TURN
SAHEY	373406.42N/1221440.40W	Y	FB	DF	-	-			
SAHEY	373406.42N/1221440.40W	Y	-	IF	-	-			SAHEY4.KTINA
MAAYS	372901.67N/1220852.17W	Y	FB	TF	137.67	6.86	AT/ABOVE 6000		
MCOVY	372119.81N/1220048.94W	Y	FB	TF	140.11	10.01	AT/ABOVE 9000		
KTINA	362303.60N/1210948.62W	Y	FB	TF	144.63	71.14			



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SAHEY	FOUR	SAHEY4.SAHEY	THREE	08/20/2015	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>
SAHEY	373406.42N/1221440.40W	Y	-	IF	-	-			SAHEY4.SUSEY
MAAYS	372901.67N/1220852.17W	Y	FB	TF	137.67	6.86	AT/ABOVE 6000		
MCOVY	372119.81N/1220048.94W	Y	FB	TF	140.11	10.01	AT/ABOVE 9000		
SUSEY	362556.87N/1210347.99W	Y	FB	TF	140.13	71.77			
SAHEY	373406.42N/1221440.40W	Y	-	IF	-	-			SAHEY4.KAYEX
MAAYS	372901.67N/1220852.17W	Y	FB	TF	137.67	6.86	AT/ABOVE 6000		
MCOVY	372119.81N/1220048.94W	Y	FB	TF	140.11	10.01	AT/ABOVE 9000		
KAYEX	362914.95N/1205652.29W	Y	FB	TF	135.09	73.04			
SAHEY	373406.42N/1221440.40W	Y	-	IF	-	-			SAHEY4.NTELL
CIITY	373159.22N/1220858.24W	Y	FB	TF	115.00	5.00	AT/ABOVE 5000		
HOPII	372602.66N/1215006.28W	Y	FB	TF	111.47	16.15	AT/ABOVE 13000		
NTELL	365358.99N/1195322.21W	Y	FB	TF	108.35	98.64			

