

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
NIITE	THREE	NIITE3.NIITE	TWO	6/25/15	20 AUG 2015

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

**TAKEOFF RUNWAY 1L:** CLIMB HEADING 013.80 TO 520, THEN RIGHT TURN DIRECT MDBAY, THEN ON TRACK 322.77 TO HUSSH, THEN ON TRACK 324.21 TO NIITE. THENCE...

**TAKEOFF RUNWAY 1R:** CLIMB HEADING 013.80 TO 520, THEN RIGHT TURN DIRECT MDBAY, THEN ON TRACK 322.77 TO HUSSH, THEN ON TRACK 324.21 TO NIITE. THENCE...

**TAKEOFF RUNWAY 28L:** CLIMB HEADING 283.81 TO 520 AND AT OR BELOW 220 KIAS, THEN RIGHT TURN DIRECT GALOO, THEN ON TRACK 324.86 TO NIITE. THENCE...

**TAKEOFF RUNWAY 28R:** CLIMB HEADING 283.82 TO 520 AND AT OR BELOW 220 KIAS, THEN RIGHT TURN DIRECT GALOO, THEN ON TRACK 324.86 TO NIITE. THENCE...

... ON (TRANSITION). MAINTAIN FL190, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
DEDHD	NIITE3.DEDHD	NIITE	REBAS	TRACK 347.52	5.72	8000	3000	AT/ABOVE 8000
		REBAS	DEDHD	TRACK 014.37	26.91	13400	4500	
GOBBS	NIITE3.GOBBS	NIITE	GOBBS	TRACK 237.12	13.64	7100	3400	
GRTFL	NIITE3.GRTFL	NIITE	REBAS	TRACK 347.52	5.72	8000	3000	AT/ABOVE 8000
		REBAS	GRTFL	TRACK 002.24	25.69	13100	4500	
MOGEE	NIITE3.MOGEE	NIITE	REBAS	TRACK 347.52	5.72	8000	3000	AT/ABOVE 8000
		REBAS	MOGEE	TRACK 048.96	52.68	18000	4100	
ORRCA	NIITE3.ORRCA	NIITE	REBAS	TRACK 347.52	5.72	8000	3000	AT/ABOVE 8000
		REBAS	ORRCA	TRACK 038.29	49.58	17900	3400	
SYRAH	NIITE3.SYRAH	NIITE	REBAS	TRACK 347.52	5.72	8000	3000	AT/ABOVE 8000
		REBAS	TAMMM	TRACK 061.65	11.54	10300	3700	
		TAMMM	SYRAH	TRACK 075.48	49.56	18000	5700	
TIPRE	NIITE3.TIPRE	NIITE	REBAS	TRACK 347.52	5.72	8000	3000	AT/ABOVE 8000
		REBAS	TIPRE	TRACK 061.61	65.81	18000	3700	

QUALITY  
2  
CHECKED

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
NIITE	THREE	NIITE3.NIITE	TWO	6/25/15	20 AUG 2015

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**TAKEOFF MINIMUMS:**

RWY 1L/R: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 520.

RWY 28L: STANDARD WITH MINIMUM CLIMB OF 535 FT PER NM TO 2100.

RWY 28R: STANDARD WITH MINIMUM CLIMB OF 560 FT PER NM TO 2100.

**NOTE:** RNAV 1.

**NOTE:** RADAR REQUIRED.

**NOTE:** DME/DME/IRU OR GPS REQUIRED.

**TAKEOFF OBSTACLES NOTES:**

**NOTE:** RWY 1L, SHIPS BEGINNING 1646 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 150 FT AGL/150 FT MSL.

**NOTE:** RWY 1R, SHIPS BEGINNING 1173 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 150 FT AGL/150 FT MSL.

**NOTE:** RWY 28L, SIGN 19 FT FROM DER, 500 FT RIGHT OF CENTERLINE, 5 FT AGL/9 FT MSL. OBSTRUCTION LIGHTS ON DME BEGINNING 277 FT FROM DER, 162 FT LEFT OF CENTERLINE, UP TO 16 FT AGL/26 FT MSL. OBSTRUCTION LIGHT ON LOCALIZER BEGINNING 219 FT FROM DER, ON CENTERLINE, UP TO 10 FT AGL/17 FT MSL. MULTIPLE POLES, ELECTRICAL SYSTEM BEGINNING 824 FT FROM DER, 300 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/56 FT MSL MULTIPLE BUILDINGS, TRANSMISSION TOWERS, TANK AND POLE BEGINNING 1305 FT FROM DER, 370 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/103 FT MSL.

**NOTE:** RWY 28R, MULTIPLE SIGNS, BEGINNING 23 FT FROM DER, 140 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/10 FT MSL. TERRAIN BEGINNING 58 FT FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 10 FT MSL. SIGN, 63 FT FROM DER, 250 FT LEFT OF CENTERLINE 5 FT AGL/8 FT MSL. TERRAIN BEGINNING 130 FT FROM DER, 235 FT LEFT OF CENTERLINE, UP TO 10 FT MSL. ANTENNA ON BUILDING, OBSTRUCTION LIGHT ON DME, TREE, BEGINNING 556 FT FROM DER, 268 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/43 FT MSL. MULTIPLE POLES BEGINNING 918 FT FROM DER, 598 FT LEFT OF CENTERLINE, UP TO 22 FT AGL/35 FT MSL. MULTIPLE BUILDINGS, TREES BEGINNING 1467 FT FROM DER, 683 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/68 FT MSL. MULTIPLE BUILDINGS, TRANSMISSION TOWERS, TREES AND ELECTRICAL SYSTEM BEGINNING 1826 FT FROM DER, 123 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/103 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 28 L/R: 1374 FT MSL AAO 374041.90N/1222524.25W, 1569 FT MSL TOWER 374114.38N/1222605.34W.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**REFERENCE MAG VAR:** KSFO 14E EPOCH YEAR: 2015. **DME/DME ASSESSMENT:** SAT (RNP 2.0)

**CHART:** TOP ALTITUDE: FL190.

DO NOT CHART MOCAS.



**AIRPORTS SERVED:**

SAN FRANCISCO INTL

SAN FRANCISCO, CA

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
NIITE	THREE	NIITE3.NIITE	TWO	6/25/15	20 AUG 2015

**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CON, TOWER, NORCAL DEP CON

**FIXES AND/OR NAVAIDS:**



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
NIITE	THREE	NIITE3.NIITE	TWO	6/25/15	20 AUG 2015

**REMARKS:**

APPROVAL LETTER ON FILE FOR CLIMB GRADIENT IN EXCESS OF 500 FT PER NM FOR RWY 28L AND RWY 28R.  
RADAR REQUIRED NOTE CHARTED PER ATC REQUEST.

**COORDINATED WITH:**

Jun 16, 2015

ATA, ALPA, APA, AOPA, NBAA, SFO ATCT, NORCAL APP CON, ZOA

**CHANGES:**

1. REMOVED RWY 10L/R FROM PROCEDURE.
2. REMOVED TURBOJET ONLY RESTRICTION.

**REASONS:**

1. ATC REQUEST FOR TRAFFIC MANAGEMENT.
2. ATC REQUEST TO NOT RESTRICT DEPARTURES TO TURBOJET ONLY.



## DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
NIITE		THREE		NIITE3.NIITE			TWO		6/25/2015	20 AUG 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW01L (AER)*	373634.03N/1222254.83W*	-	-	-	-	-			*DISP THLD (640 FT)	
520 MSL		-	-	VA	027.80	-			CG 500 FT/NM TO 520	
MDBAY	374105.19N/1221812.98W	Y	FB	DF	-	-			RIGHT TURN	
HUSSH	374458.20N/1222018.93W	Y	FB	TF	336.77	4.22				
NIITE	375042.87N/1222312.73W	Y	FB	TF	338.21	6.18				
RW01R (AER)*	373627.68N/1222248.50W*	-	-	-	-	-			*DISP THLD (560 FT)	
520 MSL		-	-	VA	027.80	-			CG 500 FT/NM TO 520	
MDBAY	374105.19N/1221812.98W	Y	FB	DF	-	-			RIGHT TURN	
HUSSH	374458.20N/1222018.93W	Y	FB	TF	336.77	4.22				
NIITE	375042.87N/1222312.73W	Y	FB	TF	338.21	6.18				
RW28L (AER)*	373643.54N/1222133.35W*	-	-	-	-	-			*DISP THLD (300 FT)	
520 MSL		-	-	VA	297.81	-		AT/BELOW 220	CG 536 FT/NM TO 2100	
GALOO	374352.13N/1221952.38W	Y	FB	DF	-	-			RIGHT TURN	
NIITE	375042.87N/1222312.73W	Y	FB	TF	338.86	7.33				
RW28R (AER)*	373650.10N/1222129.01W*	-	-	-	-	-			*DISP THLD (300 FT)	
520 MSL		-	-	VA	297.82	-		AT/BELOW 220	CG 560 FT/NM TO 2100	
GALOO	374352.13N/1221952.38W	Y	FB	DF	-	-			RIGHT TURN	
NIITE	375042.87N/1222312.73W	Y	FB	TF	338.86	7.33				
NIITE	375042.87N/1222312.73W	Y	-	IF	-	-			NIITE3.DEDHD	
REBAS	375626.46N/1222301.20W	Y	FB	TF	001.52	5.72	AT/ABOVE 8000			
DEDHD	382007.86N/1220646.11W	Y	FB	TF	028.37	26.91				
NIITE	375042.87N/1222312.73W	Y	-	IF	-	-			NIITE3.GOBBS	
GOBBS	374616.74N/1223929.23W	Y	FB	TF	251.12	13.64				
NIITE	375042.87N/1222312.73W	Y	-	IF	-	-			NIITE3.GRTFL	
REBAS	375626.46N/1222301.20W	Y	FB	TF	001.52	5.72	AT/ABOVE 8000			
GRTFL	382107.81N/1221353.29W	Y	FB	TF	016.24	25.69				



**DEPARTURE (DATA RECORD)**

DP Name		Number	DP Computer Code				Superseded Number		Dated	Effective Date
NIITE		THREE	NIITE3.NIITE				TWO		6/25/2015	20 AUG 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
NIITE	375042.87N/1222312.73W	Y	-	IF	-	-			NIITE3.MOGEE	
REBAS	375626.46N/1222301.20W	Y	FB	TF	001.52	5.72	AT/ABOVE 8000			
MOGEE	382010.00N/1212323.00W	Y	FB	TF	062.96	52.68				
NIITE	375042.87N/1222312.73W	Y	-	IF	-	-			NIITE3.ORRCA	
REBAS	375626.46N/1222301.20W	Y	FB	TF	001.52	5.72	AT/ABOVE 8000			
ORRCA	382637.17N/1213305.84W	Y	FB	TF	052.29	49.58				
NIITE	375042.87N/1222312.73W	Y	-	IF	-	-			NIITE3.SYRAH	
REBAS	375626.46N/1222301.20W	Y	FB	TF	001.52	5.72	AT/ABOVE 8000			
TAMMM	375917.43N/1220852.48W	Y	FB	TF	075.65	11.54				
SYRAH	375927.78N/1210611.12W	Y	FB	TF	089.48	49.56				
NIITE	375042.87N/1222312.73W	Y	-	IF	-	-			NIITE3.TIPRE	
REBAS	375626.46N/1222301.20W	Y	FB	TF	001.52	5.72	AT/ABOVE 8000			
TIPRE	381221.00N/1210209.00W	Y	FB	TF	075.61	65.81				

