

This is a **CORRECTED COPY** of the procedure previously published in NFDD 215.

**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SUPERSEDED NUMBER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>
GNNRR	THREE	GNNRR3.GNNRR	TWO	06/25/2015	<b>29DEC2022</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 28L:** CLIMB ON HEADING 283.81 TO 513, THEN DIRECT GNNRR AT OR ABOVE 2500, THENCE...  
**TAKEOFF RWY 28R:** CLIMB ON HEADING 283.82 TO 513, THEN DIRECT GNNRR AT OR ABOVE 2500, THENCE...

... ON (TRANSITION), MAINTAIN 3000. 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>
ALCOA	GNNRR3.ALCOA	GNNRR	ALCOA	TRACK 260.45	158.78	5500	2500	
AMAKR	GNNRR3.AMAKR	GNNRR	STINS	TRACK 292.60	15.00	3000	2500	
		STINS	AMAKR	TRACK 312.71	84.65	5500	4200	
BEBOP	GNNRR3.BEBOP	GNNRR	BEBOP	TRACK 238.07	126.17	5500	2500	
CINNY	GNNRR3.CINNY	GNNRR	CINNY	TRACK 217.19	140.67	5500	2500	

**PROCEDURAL DATA NOTES:**

**PBN REQUIREMENTS NOTES:**

RNAV 1 - GPS.

**EQUIPMENT REQUIREMENT NOTES:**

GPS REQUIRED.

**TAKEOFF MINIMUMS:**

**RWY 28L:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 513 THEN 380 FT PER NM TO 1400.

**RWY 28R:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1300.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

RWY 28L: 959 FT MSL AAO 373806.68N/1222744.62W (CLIMB GRADIENT, CLIMB-TO-ALTITUDE)

RWY 28R: 959 FT MSL AAO 373809.40N/1222748.96W (CLIMB GRADIENT, CLIMB-TO-ALTITUDE)

**MSA:**



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
GNNRR	THREE	GNNRR3.GNNRR	TWO	06/25/2015	<b>29DEC2022</b>

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 3000.  
 DME/DME ASSESSMENT: UNSAT.  
 REFERENCE MAG VAR: KSFO E14 EPOCH YR: 2015.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KSFO	SAN FRANCISCO	CA

**COMMUNICATIONS:**

CHART D-ATIS, CLNC DEL, CPDLC, ATCT.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

MINIMUM CLIMB GRADIENT IN EXCESS OF 200 FT PER NM APPLIED TO SUPPORT OPERATIONAL REQUIREMENTS AND OBSTACLES.

**FLIGHT INSPECTED BY**

GARY J VEER	<i>Digitally signed by</i> <b>JOHNNIE BAKER</b> Nov 14, 2022	<b>OFFICE</b> FPO	<b>DATE</b> 10/21/2022
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**DEVELOPED BY**

FRANK JACKSON	<i>Digitally signed by</i> <b>FRANK JACKSON</b> Nov 14, 2022	<b>OFFICE</b> AJV-A431	<b>DATE</b> 08/09/2022
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**APPROVED BY**

JOHNNIE BAKER	<i>Digitally signed by</i> <b>JOHNNIE BAKER</b> Nov 14, 2022	<b>OFFICE</b> AJV-A430	<b>DATE</b>	<b>TITLE</b> MANAGER
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**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** SFO ATCT, NORCAL APP CON, ZOA

**CHANGES - REASONS:**

1. UPDATED DP/TRANSITION COMPUTER CODE FROM "GNNRR2.GNNRR" TO "GNNRR3.GNNRR" - AMENDED PROCEDURE AND IAW 8260.46 APPENDIX E SECTION 1 PARA 4(B).
2. CHANGED DP ROUTE DESCRIPTION FOR TAKEOFF 28L FROM "TAKEOFF RW28L: CLIMB HEADING 283.81 TO 820, THEN DIRECT GNNRR" TO "TAKEOFF RWY 28L: CLIMB ON HEADING 283.81 TO 513, THEN DIRECT GNNRR AT OR ABOVE 2500, THENCE..." AND TAKEOFF RW28R FROM "TAKEOFF RW28R: CLIMB HEADING 283.82 TO 820, THEN DIRECT GNNRR" TO "TAKEOFF RWY 28R: CLIMB ON HEADING 283.82 TO 513, THEN DIRECT GNNRR AT OR ABOVE 2500, THENCE..." - LNAV ENGAGEMENT AND ATC REQUEST FOR OPERATIONAL REQUIREMENTS.
3. DELETED ALLBE TRANSITION AND REPLACED BAART TRANSITION WITH BEBOP TRANSITION AND ALANN TRANSITION WITH CINNY TRANSITION AND ASSOCIATED DATA- TO REMOVE FIXES OFF OF ZOA BOUNDARY AND ALLOW DATA COMM TO CPDLC DATA LINK.
4. ALCOA TRANSITION MOCA CHANGED FROM "1600" TO "2500" - NEW CONTROLLING OBSTACLE.
5. AMAKR TRANSITION FROM GNNRR TO STINS MOCA CHANGED FROM "1200" TO "2500" AND FROM STINS TO AMAKR MOCA FROM "4100" TO "4200" - NEW CONTROLLING OBSTACLE.
6. TAKEOFF MINIMUMS CHANGED FROM "RWY 28L/R: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 820" TO "RWY 28L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 513 THEN 380 FT PER NM TO 1400" AND "RWY 28R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1300" - LNAV ENGAGEMENT, NEW OBSTACLE EVALUATION, AND ATC REQUEST.
7. DELETED PROCEDURAL DATA NOTE "RNAV-1" AND ADDED PBN REQUIREMENTS NOTES "RNAV 1 - GPS" - IAW 8260.46H APPENDIX E SECTION 1 PARA 5.
8. DELETED PROCEDURAL DATA NOTE "GPS REQUIRED" AND ADDED EQUIPMENT REQUIREMENTS NOTE "GPS REQUIRED" - IAW 8260.46H APPENDIX E SECTION 1 PARA 12D NOTE 1.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
GNNRR	THREE	GNNRR3.GNNRR	TWO	06/25/2015	<b>29DEC2022</b>

9. DELETED TAKEOFF OBSTACLES NOTES AND ADDED "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURE (ODP)" - IAW 8260.46H APPENDIX E SECTION 1 PARA 9.  
 10. UPDATED CONTROLLING OBSTACLE FROM "RWY 28R: 764 FEET MSL AAO 373819.00N/1222651.00W (CLIMB GRADIENT, CLIMB-TO-ALTITUDE)" TO "RWY 28L: 952 FT MSL AAO 373806.46N/1222747.67W (CLIMB GRADIENT, CLIMB-TO-ALTITUDE) RWY 28R: 925 FT MSL AAO 373811.67N/1222749.67W (CLIMB GRADIENT, CLIMB-TO-ALTITUDE)" - NEW OBSTACLE DATA AND MAP STUDY.

11/14/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/09/22.  
 1. CHANGED ALL REFERENCE FROM "STINIS" TO "STINS" IN TRANSITION ROUTES.



**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>				
GNNRR	THREE	GNNRR3.GNNRR	TWO	06/25/2015	<b>29DEC2022</b>				
<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)*	373643.55N/1222133.35W*	N	-	-	-	-			*DISPL THLD (300 FT)
513 MSL	-	-	-	VA	297.81	-	AT/ABOVE 513		CG 500 FT PER NM TO 513 CG 380 FT PER NM TO 1400
GNNRR	374029.08N/1223012.18W	Y	FB	DF	-	-	AT/ABOVE 2500		
RW28R (AER)*	373650.11N/1222129.01W*	N	-	-	-	-			*DISPL THLD (300 FT)
513 MSL	-	-	-	VA	297.82	-	AT/ABOVE 513		CG 500 FT PER NM TO 1300
GNNRR	374029.08N/1223012.18W	Y	FB	DF	-	-	AT/ABOVE 2500		
TRANSITION									
GNNRR	374029.08N/1223012.18W	Y	-	IF	-	-			GNNRR3.ALCOA
ALCOA	374959.71N/1255004.29W	Y	FB	TF	274.45	158.78			
GNNRR	374029.08N/1223012.18W	Y	-	IF	-	-			GNNRR3.AMAKR
STINS	374925.24N/1224524.06W	Y	FB	TF	306.60	15.00			
AMAKR	390000.00N/1234500.00W	Y	FB	TF	326.71	84.65			
GNNRR	374029.08N/1223012.18W	Y	-	IF	-	-			GNNRR3.BEBOP
BEBOP	365959.80N/1250004.18W	Y	FB	TF	252.07	126.17			
GNNRR	374029.08N/1223012.18W	Y	-	IF	-	-			GNNRR3.CINNY
CINNY	361054.00N/1244536.00W	Y	FB	TF	231.19	140.67			

