

**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SUPERSEDED NUMBER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>
ROSCOE	FOUR	RSCO4.VVERA	THREE	12/05/2019	<b>20FEB2025</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 16R: CLIMB ON HEADING 163.51 TO INTERCEPT COURSE 109.01 TO CROSS DSSRT AT OR ABOVE 3000, THEN ON TRACK 109.00 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS BSHOW AT OR ABOVE 5300 THEN ON DEPICTED ROUTE, THEN ON TRANSITION. MAINTAIN 13000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE

ALL AIRCRAFT: ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI. RWY 16R: ATC CLIMB RATE OF 600 FT/NM TO 3000.

**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>
DAGGETT	RSCO4.DAG	VVERA	SSETH	TRACK 064.88	37.07	13000	7100	
		SSETH	DAG VORTAC	TRACK 045.76	25.55	13000	7000	
HECTOR	RSCO4.HEC	VVERA	SSETH	TRACK 064.88	37.07	13000	7100	
		SSETH	HEC VORTAC	TRACK 070.20	27.60	13000	7900	

**PBN REQUIREMENT NOTES:**

RNAV 1 -DME/DME/IRU OR GPS

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

THIS DEPARTURE NOT AUTHORIZED FOR TURBO-JET AIRCRAFT.  
CROSS DER/VNY VOR/DME 1.5 DME SOUTH AT OR BELOW 1750.

**TAKEOFF MINIMUMS:**

RWY 16R: STANDARD WITH MINIMUM CLIMB OF 540 FT/NM TO 1302.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

**MSA:**

MSA FROM KVNY, 9300

**LOST COMMUNICATIONS PROCEDURES:**



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
ROSCOE	FOUR	RSCO4.VVERA	THREE	12/05/2019	<b>20FEB2025</b>

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 13000  
 MAG VAR: KVNY 12E/2020  
 DME/DME ASSESSMENT SAT:RNP (2.0)  
 CHART: MINIMUM CROSSING ALTITUDE AT BSHOW-5300.  
 CHART: VNY VOR/DME 1.5 DME ARC.  
 CHART: AT OR ABOVE 5300 AT BSHOW, AT OR ABOVE 6800 AT CCHUM, AT OR ABOVE 7100 AT KIMMO.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KVNY	VAN NUYS	CA

**COMMUNICATIONS:**

CHART: ATIS, CLNC DEL, GND CON, TOWER.

**FIXES AND/OR NAVAIDS:**

CCHUM, KIMMO, SLAPP, JARZO, VVERA

**REMARKS:**

AFS APPROVAL LETTER FOR ATC CG TO 3000' CROSSING RESTRICTION AT DSSRT.  
 PROCEDURE NAMED FOR GEOGRAPHICAL AREA.  
 100 FT VEG USED PER FPT.  
 MSA CONTROLLING OBSTACLE: AAO 342012.00N/1175612.00W 8239 MSL.  
 MEAS BASED ON DME/DME EVALUATION.  
 589 FT/NM CG IS REQUIRED FROM THE DER TO MEET THE 3000' CROSSING RESTRICTION AT DSSRT.  
 540 FT/NM CG REQUIRED TO MEET THE LNAV ENGAGEMENT ALTITUDE PRIOR TO TURNING TO DSSRT.  
 WAIVER REQUEST TO PERMIT ESTABLISHING A NON- OBSTACLE BASED CLIMB GRADIENT FOR ATC.  
 WAIVER ON FILE AUTHORIZING CROSSING RESTRICTION OF AT OR BELOW 1750 AT DER THAT PROVIDES LESS THAN 1000' OF ROC OVER HIGHEST OBSTACLE.

**FLIGHT INSPECTED BY**

THOMAS E MOLOKIE

**SIGNATURE**

*Digitally signed by*  
**ROBERT G HAMILTON**  
 Dec 20, 2024

**OFFICE**

AJF

**DATE**

12/18/2024

**DEVELOPED BY**

ERIC SUSKI (ZACHARY KRUEGER)

**SIGNATURE**

*Digitally signed by*  
**ROBERT G HAMILTON**  
 Dec 20, 2024

**OFFICE**

AJV-A431

**DATE**

07/02/2024

**APPROVED BY**

ERIC SUSKI

**SIGNATURE**

*Digitally signed by*  
**ROBERT G HAMILTON**  
 Dec 20, 2024

**OFFICE**

AJV-A431

**DATE**

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:**ZLA, SOCAL APP/DEP CON, APT MGR, OR AERO DIV, VNY ATCT

**CHANGES - REASONS:**

1. DP ROUTE DESCRIPTION: CHANGED FROM "TAKEOFF RWY 16R: CLIMB ON HEADING 163.51 TO 1303, THEN CLIMB DIRECT PPRRY, THEN ON HEADING 110.00 OR AS ASSIGNED BY ATC, THEN ON VECTORS TO CROSS BSHOW AT OR ABOVE 5300, THEN ON TRACK 343.22 TO CROSS CCHUM AT OR ABOVE 6800, THEN ON TRACK 002.82 TO CROSS KIMMO AT OR ABOVE 7100, THEN ON TRACK 040.80 TO SLAPP, THEN ON TRACK 054.65 TO JARZO, THEN ON TRACK 064.72 TO VVERA, THENCE..." TO "TAKEOFF RWY 16R: CLIMB ON HEADING 163.51 TO INTERCEPT COURSE 109.01 TO CROSS DSSRT AT OR ABOVE 3000, THEN ON TRACK 109.00 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS BSHOW AT OR ABOVE 5300 THEN ON DEPICTED ROUTE. THEN ON TRANSITION. MAINTAIN 13000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE. ALL AIRCRAFT: ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI. RWY 16R: ATC CLIMB



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
ROSCOE	FOUR	RSCO4.VVERA	THREE	12/05/2019	<b>20FEB2025</b>

- RATE OF 600 FT/NM TO 3000." - RE DESIGN FOR NOISE.
2. TAKEOFF MINIMUMS: CHANGED FROM "STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 2600" TO "RWY 16R: STANDARD WITH MINIMUM CLIMB OF 540 FT/NM TO 1302." - REQUIRED FOR LNAV ENGAGEMENT.
  3. REMOVED PROCEDURAL DATA NOTES "RADAR REQUIRED, RNAV 1, DME/DME/IRU OR GPS REQUIRED. ADDED PBN REQUIREMENT NOTE: RNAV 1 - DME/DME/IRU OR GPS; EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED. - IAW 8260.19J
  4. ADDITIONAL FLIGHT DATA: CHANGED "REFERENCE MAG VAR: KVNY 12E EPOCH YR: 2020" TO "MAG VAR: KVNY 12E/2020 - MEMO: MAG VAR DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC ODPS.
  5. ADDITIONAL FLIGHT DATA: REMOVED "DO NOT CHART MOCAS" - MEMO: AFS CLARIFICATION OF DP MOCA DOCUMENTATION FOR 8260.46
  6. TAKEOFF MINIMUMS: REMOVED "RWY 16L; 34L/R: N/A - ATC" - IAW 8260.46J
  7. COMMUNICATIONS: CHANGED FROM "ATIS, CLNC DEL, GND CON, TOWER, SOCAL DEP CON" TO "CHART: ATIS, CLNC DEL, GND CON, TOWER." - IAW 8260.46J
  8. REMARKS. ADDED "AFS APPROVAL LETTER FOR ATC CG TO 3000' CROSSING RESTRICTION AT DSSRT.", " 100 FT VEG USED PER FPT", "MSA CONTROLLING OBSTACLE: AAO 342012.00N/1175612.00W 8238 MSL", "MEAS BASED ON DME/DME EVALUATION", "589 FT/NM CG IS REQUIRED FROM THE DER TO MEET THE 3000' CROSSING RESTRICTION AT DSSRT", "WAIVER REQUEST TO PERMIT ESTABLISHING A NON-OBSTACLE BASED CLIMB GRADIENT FOR ATC." AND "540 FT/NM CG REQUIRED TO MEET THE LNAV ENGAGEMENT ALTITUDE PRIOR TO TURNING TO DSSRT". - CLARIFICATION FOR FUTURE SPECIALISTS.
  9. ADDITIONAL FLIGHT DATA: ADDED "CHART: VNY VOR/DME 1.5 DME ARC." - IAW 8260.19J
  - 10: CONTROLLING OBSTACLES: REMOVED "RWY 16R, 2159 FT MSL AAO 340743.75N/1183045.87W". - NEW OBSTACLE EVALUATION.
  11. PROCEDURAL DATA NOTES: REMOVED "NOTE:" FROM "NOTE: THIS DEPARTURE NOT AUTHORIZED FOR TURBO-JET AIRCRAFT.", AND "NOTE: CROSS DER/VNYU VOR/DME 1.5 DME SOUTH AT OR BELOW 1750." - NOT REQUIRED IAW 8260.19J.
  12. ADDITIONAL FLIGHT DATA: ADDED CHART: MINIMUM CROSSING ALTITUDE AT BSHOW - 5300. - 8260.46J, APPENDIX E SECTION 1, 2M(3)
  13. FIXES AND/OR NAVAIDS: ADDED "CCHUM, KIMMO, SLAPP, JARZO, VVERA" - IAW 8260.46J
  14. ADDITIONAL FLIGHT DATA: ADDED "CHART: AT OR ABOVE 5300 AT BSHOW, AT OR ABOVE 6800 AT CCHUM, AT OR ABOVE 7100 AT KIMMO". - IAW 8260.46J



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>				
ROSCOE	FOUR	RSCO4.VVERA	THREE	12/05/2019	20FEB2025				
<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>
RW16R (AER)*	341253.96N/1182927.13W*	N	-	-	-	-			*DSPL THLD (1431FT)
-	341047.41N/1182915.17W	-	-	VI	175.51	2.11			CG 540 FT/NM TO 1302
DSSRT	340920.78N/1182621.62W	Y	FO	CF	121.01	2.80	AT/ABOVE 3000		
DSSRT	340920.78N/1182621.62W	-	-	FM	121.00	-			
BSHOW	341425.74N/1182554.22W	Y	-	IF	-	-	AT/ABOVE 5300		
CCHUM	342006.17N/1182628.51W	Y	FB	TF	355.22	5.68	AT/ABOVE 6800		
KIMMO	342436.57N/1182502.17W	Y	FB	TF	014.82	4.65	AT/ABOVE 7100		
SLAPP	342750.14N/1181954.07W	Y	FB	TF	052.80	5.33			
JARZO	343030.27N/1181225.34W	Y	FB	TF	066.65	6.73			
VVERA	343550.90N/1174446.99W	Y	FB	TF	076.72	23.44			
VVERA	343550.90N/1174446.99W	Y	-	IF	-	-			RSCO4.DAG
SSETH	344408.66N/1170058.77W	Y	FB	TF	076.88	37.07			
DAG VORTAC	345744.85N/1163441.40W	Y	FB	TF	057.76	25.55			
VVERA	343550.90N/1174446.99W	Y	-	IF	-	-			RSCO4.HEC
SSETH	344408.66N/1170058.77W	Y	FB	TF	076.88	37.07			
HEC VORTAC	344749.26N/1162746.52W	Y	FB	TF	082.20	27.60			

