

**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SUPERSEDED NUMBER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>
SCAMR	FOUR	SCAMR4.SCAMR	THREE	03/24/2022	25JAN2024

<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 17R: CLIMB ON HEADING 167.57 TO INTERCEPT COURSE 199.41 TO CAVER, THEN ON TRACK 160.18 TO CROSS BOYTT AT OR BELOW 6000, THEN ON TRACK 090.19 TO ZIGLR, THEN ON TRACK 044.55 TO SCAMR, THENCE ...

TAKEOFF RWY 35L: CLIMB ON HEADING 347.57 TO INTERCEPT COURSE 072.11 TO KITEE, THEN ON TRACK 148.01 TO CROSS JAMIA AT 6000, THEN ON TRACK 082.10 TO SCAMR, THENCE ...

... (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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>
FRNCK	SCAMR4.FRNCK	SCAMR	RATPK	TRACK 006.81	29.94	7700	7500	
		RATPK	DARDN	TRACK 024.42	13.21	10200	6500	
		DARDN	FRNCK	TRACK 018.94	80.66	15000	9800	
HOCEE	SCAMR4.HOCEE	SCAMR	URSLA	TRACK 076.60	11.82	9000	6500	
		URSLA	NIITZ	TRACK 077.37	51.48	12000	8700	
		NIITZ	HOCEE	TRACK 066.17	98.24	17000	10600	
IWANS	SCAMR4.IWANS	SCAMR	URSLA	TRACK 076.60	11.82	9000	6500	
		URSLA	NIITZ	TRACK 077.37	51.48	12000	8700	
		NIITZ	IWANS	TRACK 086.92	42.36	17000	9600	
PAGE	SCAMR4.PGA	SCAMR	URSLA	TRACK 076.60	11.82	9000	6500	
		URSLA	NIITZ	TRACK 077.37	51.48	12000	8700	
		NIITZ	PGA VOR/DME	TRACK 044.66	118.77	FL200	11200	

QUALITY  
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<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>		<u>ACTUAL EFFECTIVE DATE</u>
SCAMR		FOUR	SCAMR4.SCAMR	THREE	03/24/2022		25JAN2024
SSKEE	SCAMR4.SSKEE	SCAMR	URSLA	TRACK 076.60	11.82	9000	6500
		URSLA	NIITZ	TRACK 077.37	51.48	12000	8700
		NIITZ	IWANS	TRACK 086.92	42.36	17000	9600
		IWANS	SSKEE	TRACK 087.37	42.49	17000	9400
TUKRR	SCAMR4.TUKRR	SCAMR	URSLA	TRACK 076.60	11.82	9000	6500
		URSLA	GIDGT	TRACK 030.73	24.52	10000	7200 GIDGT AT/ABOVE 10000
		GIDGT	NICLE	TRACK 068.54	49.80	15000	10000
		NICLE	TUKRR	TRACK 053.39	82.46	17000	10900
VERKN	SCAMR4.VERKN	SCAMR	URSLA	TRACK 076.60	11.82	9000	6500
		URSLA	GIDGT	TRACK 030.73	24.52	10000	7200 GIDGT AT/ABOVE 10000
		GIDGT	GEEEO	TRACK 051.19	33.52	12000	9000
		GEEEO	BETHL	TRACK 051.34	62.84	15000	8900
		BETHL	VERKN	TRACK 017.43	34.72	15000	9700
ZAYNE	SCAMR4.ZAYNE	SCAMR	URSLA	TRACK 076.60	11.82	9000	6500
		URSLA	RASLR	TRACK 132.34	14.65	10000	6500 RASLR AT/ABOVE 10000
		RASLR	ROHCK	TRACK 126.18	31.00	16000	9200
		ROHCK	ZAYNE	TRACK 091.12	17.98	FL200	8500

**PBN REQUIREMENT NOTES:**

RNAV 1 - GPS

**EQUIPMENT REQUIREMENT NOTES:****PROCEDURAL DATA NOTES:**

NOTE: PAGE TRANSITION: DO NOT FILE - TO BE ASSIGNED BY ATC.  
NOTE: IWANS TRANSITION: DO NOT FILE - TO BE ASSIGNED BY ATC.  
NOTE: TURBOJET AIRCRAFT ONLY.

**TAKEOFF MINIMUMS:**

RWY 17L, 35R: NA - ATC.  
RWY 17R: STANDARD WITH MINIMUM CLIMB OF 560 FT PER NM TO 4900.  
RWY 35L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 2992 THEN 475 FT PER NM TO 5300.



NFDD No. 223

11/21/2023

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SCAMR	FOUR	SCAMR4.SCAMR	THREE	03/24/2022	25JAN2024

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

RWY 17R: 4170 FT MSL AAO 355349.56N/1150830.45W (CLIMB GRADIENT), 4386 FT MSL AAO 355300.93N/1150710.81W (CLIMB-TO ALTITUDE).  
RWY 35L: 4601 FT MSL TOWER 355645.14N/1150238.45W.

**MSA:**

MSA FROM KHND, 12300

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
AIRPORT MV: HND 13E/2005.  
DME/DME ASSESSMENT: UNSAT.  
CHART: KLAS  
CHART: KLAS RWY 26L  
CHART: KLAS RWY 26L LOC

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KHND	LAS VEGAS	NV

**COMMUNICATIONS:**

CHART: ATIS, GND CON, TWR, LAS DEP CON

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

ABBREVIATED AMENDMENT.  
TAKEOFF MINIMUMS/CGS CARRIED OVER FROM SCAMR3.  
HISTORICAL WINDS USED FOR 17R/35L RUNWAY TRANSITIONS.  
RWY 17R/35L RUNWAY TRANSITIONS EVALUATED USING REDUCED ENROUTE ROC AT BOYTT AND JAMIA HOLD-DOWN ALTITUDES. PRECIPITOUS TERRAIN WAS IDENTIFIED AND TAKEN INTO CONSIDERATION, FPT IS AWARE AND AFTER COORDINATION NO ADJUSTMENTS HAVE BEEN ADDED TO THE EVALUATION DUE TO ATC MVA/MIA HAVING NO ISSUES WITH TERRAIN IN THIS AREA.  
APPROVAL LETTER FOR RWY 17R CLIMB GRADIENT, 560 FT PER/NM TO 4900.  
DO NOT CHART MOCA: FROM SCAMR TO RATPK.  
MSA CONTROLLING OBSTACLE: 11299 FT MSL AAO 361345.00N/1153824.00W.

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
JAMES HAWLEY		<b>JOHN BORDY</b>	FPO	11/01/2023	
		Nov 02, 2023			
<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
DEREK LARUE		<b>JOHN BORDY</b>	AJV-A422	08/22/2023	
		Nov 02, 2023			
<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JOHN BORDY		<b>JOHN BORDY</b>	AJV-A33		MANAGER
	Nov 02, 2023				

FAA Form 8260-15B (03/23) Supersedes Previous Edition

Electronic Version

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QUALITY

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SCAMR	FOUR	SCAMR4.SCAMR	THREE	03/24/2022	25JAN2024

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:**ZLA, LAS APP CON, HND ATCT, CLARK COUNTY

**CHANGES - REASONS:**

1. AMENDED PROCEDURAL NOTES: PAGE AND IWANS TRANSITION: FROM "DO NOT FILE - ASSIGNED BY ATC" TO "DO NOT FILE - TO BE ASSIGNED BY ATC- IAW 8260.46J 2-1-1E(9)."
2. DELETED GPS REQUIRED AND RNAV 1 NOTE FROM PROCEDURAL DATA- ADDED RNAV 1 - GPS TO PBN REQUIREMENT NOTES IAW 8260.46J F(6).
3. CHANGED CONTROLLING OBSTACLE DATA: RWY 35L: FROM 4606 FT MSL TOWER 355645.08N/1150238.31W TO 4601 FT MSL TOWER 355645.14N/1150238.45W- ELEVATION CHANGED 5', LOCATION CHANGED 13.01' IN NEW SURVEY DATA.
4. CHANGED ADDITIONAL FLIGHT DATA: FROM REFERENCE MAG VAR: KHND 13E EPOCH YR: 2005. TO AIRPORT MV: HND 13E/2005.- IAW MEMO MAG VAR DOCUMENTATION FOR SIDS AND GRAPHIC ODPS.
5. AMENDED COMMUNICATIONS: FROM "ATIS, GND CON, TWR, LAS DEP CON" TO "CHART: ATIS, GND CON, TWR, LAS DEP CON"- IAW 8260.46J APPENDIX E 2.O.
6. CHANGED IWANS TO SSKEE MOCA FROM 9100 TO 9400- NEW CONTROLLING OBSTACLE / CLEARS NOTAM FDC 2/1863.
7. ADDED MSA FROM KHND, 12300 TO MSA BLOCK- SPECIFIED MSA IAW 8260.46J 3-1-2.
8. CHANGED TAKEOFF MINIMUMS/CGS CARRIED OVER FROM SCAMR2 TO ABBREVIATED AMENDMENT TAKEOFF MINIMUMS/CGS CARRIED OVER FROM SCAMR3- NO CHANGE FROM SCAMR3 SID.
9. ADDED REDUCED ENROUTE ROC FPT COORDINATION NOTE TO REMARKS- ADMINISTRATIVE DATA.
10. ADDED APPROVAL LETTER FOR RWY 17R CLIMB GRADIENT, 560 FT PER/NM TO 4900, INCLUDED IN S FILE TO REMARKS- ADMINISTRATIVE DATA.
11. ADDED MSA CONTROLLING OBSTACLE: 11299 FT MSL AAO 361345.00N/1153824.00W TO REMARKS- ADMINISTRATIVE DATA.
12. ADDED TO REMARKS: HISTORICAL WINDS USED FOR 17R/35L RUNWAY TRANSITIONS- TARGETS APPLIED HISTORICAL WINDS.
13. ADDED TO REMARKS: DO NOT CHART MOCA FROM SCAMR TO RATPK- 8260.46J/MEMO: CLARIFICATION TO FAA ORDER 8260.46, DEPARTURE PROCEDURE PROGRAM, MOCA DOCUMENTATION.
14. ADDED TO REMARKS: TAKEOFF MINIMUMS/CGS CARRIED OVER FROM SCAMR 2 TO TAKEOFF MINIMUMS/CGS CARRIED OVER FROM SCAMR 3- UPDATED AMDT NUMBER.

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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
SCAMR		FOUR		SCAMR4.SCAMR		THREE		03/24/2022		25JAN2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW17R (AER)	355851.22N/1150807.13W	N									
	355646.86N/1150808.66W			VI	180.57	02.07			CG 560 FT PER NM TO 4900		
CAVER	355431.82N/1150954.08W	Y	FB	CF	212.40	02.66					
BOYTT	355014.56N/1150916.29W	Y	FB	TF	173.18	04.31	AT/BELOW 6000				
ZIGLR	354831.16N/1150016.49W	Y	FB	TF	103.19	07.52					
SCAMR	355352.10N/1144955.17W	Y	FB	TF	057.55	09.97					
RW35L (AER)	355746.95N/1150807.92W	N									
	360002.13N/1150806.26W			VI	000.57	02.25			CG 500 FT PER NM TO 2992 THEN 475 FT PER NM TO 5300		
KITEE	360036.04N/1150001.69W	Y	FB	CF	085.12	06.58					
JAMIA	355425.01N/1145724.77W	Y	FB	TF	161.01	06.53	AT 6000				
SCAMR	355352.10N/1144955.17W	Y	FB	TF	095.10	06.11					
TRANSITIONS											
SCAMR	355352.10N/1144955.17W	Y		IF					SCAMR4.FRNC		
RATPK	362204.14N/1143721.47W	Y	FB	TF	019.81	29.94					
DARDN	363233.81N/1142723.93W	Y	FB	TF	037.42	13.21					
FRNCK	374053.77N/1133338.71W	Y	FB	TF	031.94	80.66					

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DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
SCAMR		FOUR		SCAMR4.SCAMR		THREE		03/24/2022		25JAN2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
SCAMR	355352.10N/1144955.17W	Y		IF					SCAMR4.TUKRR		
URSLA	355356.12N/1143522.27W	Y	FB	TF	089.60	11.82					
GIDGT	361139.10N/1141425.81W	Y	FB	TF	043.73	24.52	AT/ABOVE 10000				
NICLE	361843.67N/1131328.96W	Y	FB	TF	081.54	49.80					
TUKRR	365111.14N/1113920.65W	Y	FB	TF	066.39	82.46					
SCAMR	355352.10N/1144955.17W	Y		IF					SCAMR4.VERKN		
URSLA	355356.12N/1143522.27W	Y	FB	TF	089.60	11.82					
GIDGT	361139.10N/1141425.81W	Y	FB	TF	043.73	24.52	AT/ABOVE 10000				
GEEOO	362609.96N/1133702.26W	Y	FB	TF	064.19	33.52					
BETHL	365303.90N/1122625.55W	Y	FB	TF	064.34	62.84					
VERKN	372300.05N/1120421.69W	Y	FB	TF	030.43	34.72					
SCAMR	355352.10N/1144955.17W	Y		IF					SCAMR4.ZAYNE		
URSLA	355356.12N/1143522.27W	Y	FB	TF	089.60	11.82					
RASLR	354151.64N/1142508.61W	Y	FB	TF	145.34	14.65	AT/ABOVE 10000				
ROHCK	351819.44N/1140022.95W	Y	FB	TF	139.18	31.00					
ZAYNE	351353.89N/1133905.51W	Y	FB	TF	104.12	17.98					

