

**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SUPERSEDED NUMBER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>
RITAA	SEVEN	RITAA7.RITAA	SIX	08/08/2019	08 SEP 2022

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

THIS IS A CORRECTED COPY OF THIS PROCEDURE PREVIOUSLY PUBLISHED IN NFDD #124.

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8L/8R: CLIMB ON HEADING 086.94 TO 600, FOR RADAR VECTORS TO CROSS BOTLL AT OR BELOW 5000, THENCE...

TAKEOFF RWY 9: CLIMB ON HEADING 086.95 TO 600, FOR RADAR VECTORS TO CROSS BOTLL AT OR BELOW 5000, THENCE...

TAKEOFF RWY 15L: CLIMB ON HEADING 148.96 TO 600, THEN LEFT TURN DIRECT TO CROSS TTAPS AT OR BELOW 4000, THEN ON TRACK 122.52 TO CROSS BOTLL AT OR BELOW 5000, THENCE...

TAKEOFF RWY 15R: CLIMB ON HEADING 148.95 TO 600, THEN LEFT TURN DIRECT TO CROSS TTAPS AT OR BELOW 4000, THEN ON TRACK 122.52 TO CROSS BOTLL AT OR BELOW 5000, THENCE...

TAKEOFF RWY 26L/26R: CLIMB ON HEADING 266.96 TO 600, FOR RADAR VECTORS TO CROSS BOTLL AT OR BELOW 5000, THENCE...

TAKEOFF RWY 27: CLIMB ON HEADING 266.97 TO 600, FOR RADAR VECTORS TO CROSS BOTLL AT OR BELOW 5000, THENCE...

TAKEOFF RWY 33L/33R: CLIMB ON HEADING 328.96 TO 600, FOR RADAR VECTORS TO CROSS BOTLL AT OR BELOW 5000, THENCE...

...ON TRACK 139.49 TO CROSS FLYZA AT OR ABOVE 7000, THEN ON TRACK 216.44 TO CROSS WINEO AT OR ABOVE 9000, THEN ON TRACK 220.78 TO CROSS RITAA AT OR ABOVE 10000, THEN ON (TRANSITION). MAINTAIN 16000. 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>
CORPUS CHRISTI	RITAA7.CRP	RITAA	SKUBA	TRACK 228.16	37.70	12000	1600	
			PSX VORTAC	TRACK 223.55	37.41	12000	2600	
			YOMOM	TRACK 221.02	64.42	12000	1800	
			CRP VORTAC	TRACK 249.38	16.51	12000	1500	
WWREN	RITAA7.WWREN	RITAA	RIIGG	TRACK 203.20	45.92	12000	2500	
			WWREN	TRACK 206.01	52.68	12000	2100	
PALACIOS	RITAA7.PSX	RITAA	SKUBA	TRACK 228.16	37.70	12000	1600	
			PSX VORTAC	TRACK 223.55	37.41	12000	2600	
TRUAX	RITAA7.NGP	RITAA	RIIGG	TRACK 203.20	45.92	12000	2500	
			NGP TACAN	TRACK 228.08	114.85	12000	1700	
YOMOM	RITAA7.YOMOM	RITAA	SKUBA	TRACK 228.16	37.70	12000	1600	
			PSX VORTAC	TRACK 223.55	37.41	12000	2600	
			YOMOM	TRACK 221.02	64.42	12000	1800	

QUALITY
18
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RITAA	SEVEN	RITAA7.RITAA	SIX	08/08/2019	08 SEP 2022

PROCEDURAL DATA NOTES:**PBN REQUIREMENTS NOTES:**

RNAV - 1 DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

TAKEOFF MINIMUMS:

RWY 8L, 8R, 9, 15L, 15R, 26L, 26R, 27, 33L, 33R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 800.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:**MSA:****LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0).

GEORGE BUSH INTERCONTINENTAL (KIAH) - CHART: TOP ALTITUDE: 16000**CHART:** MEA/MOCA FROM BOTLL TO FLYZA, 4000/1700. MEA/MOCA FROM FLYZA TO WINEO, 5400/1700. MEA/MOCA FROM WINEO TO RITAA, 6500/1500.**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KIAH	HOUSTON	TX

COMMUNICATIONS:

CHART: ATIS, ASOS, CLNC DEL, GND CON, TWR

FIXES AND/OR NAVAIDS:**REMARKS:**

ABBREVIATED AMENDMENT.



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RITAA	SEVEN	RITAA7.RITAA	SIX	08/08/2019	08 SEP 2022
<u>FLIGHT INSPECTED BY</u>			<u>OFFICE</u>	<u>DATE</u>	
DUSTIN D HANSON	Digitally signed by ERIC N SUSKI Jul 19, 2022		FPO	06/15/2022	
<u>DEVELOPED BY</u>			<u>OFFICE</u>	<u>DATE</u>	
RICHARD CHRISTENSEN	Digitally signed by RICHARD E CHRISTENSEN Jul 18, 2022		AJV-A431	03/18/2022	
<u>APPROVED BY</u>			<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART	Digitally signed by ERIC N SUSKI Jul 19, 2022		AJV-A430		MANAGER
<u>REQUIRED EFFECTIVE DATE</u>					
ROUTINE					
<u>COORDINATED WITH:</u>					

A4A ☒
ALPA ☒
AOPA ☒
APA ☒
HAI ☐
NBAA ☒
OTHER: ZHU ARTCC, HOU APP CON, IAH ATCT, AMGR

CHANGES - REASONS:

1. CHANGED ALL REFERENCES AT RITAA TO RIIGG MOCA FROM 2200 TO 2500 - PR IDENTIFIED NEW OBSTACLE 1449 TOWER (48-183650) 292157.99N/0952257.58W, CLEARS FDC 1/8260 NOTAM.
2. REMOVED NOTE: RNAV 1 AND CHANGED DME/DME/IRU OR GPS REQUIRED TO RNAV - 1 DME/DME/IRU OR GPS REQUIRED AND MOVED FROM PROCEDURAL DATA NOTES TO PBN REQUIREMENTS NOTES - IAW 8260.46H 2-1-1F(6) AND APPENDIX E, SECTION 1 PARA 5 MEMO.
3. MOVED RADAR REQUIRED NOTE FROM PROCEDURE DATA NOTES TO EQUIPMENT REQUIREMENT NOTES - IAW 8260.46H 2-1-1F(5).
4. ADDITIONAL FLIGHT DATA: REMOVED REFERENCE MAG VAR, AND PILOT NAVIGATION AREA - NO LONGER REQUIRED PER 8260.46H.
5. REMOVED DEP CON FROM COMMUNICATIONS - IAW 8260.46H APPENDIX E SECTION 1 PARA 14.

07/18/2022: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/16/2022.

1. ADDED "CHART:" TO COMMUNICATIONS BLOCK.



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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
RITAA		SEVEN		RITAA7.RITAA		SIX		08/08/2019		08 SEP 2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW08L (AER)	300025.78N/0952131.65W	N	-	-	-	-					
600 MSL		-	-	VA	089.94	-			CG 500 FT/NM TO 800		
		-	-	VM	089.94	-					
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000				
RW08R (AER)	295936.30N/0952117.87W	N	-	-	-	-					
600 MSL		-	-	VA	089.94	-			CG 500 FT/NM TO 800		
		-	-	VM	089.94	-					
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000				
RW09 (AER)	295839.33N/0952002.79W	N	-	-	-	-					
600 MSL		-	-	VA	089.95	-			CG 500 FT/NM TO 800		
		-	-	VM	089.95	-					
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000				
RW15L (AER)	295916.40N/0952128.33W	N	-	-	-	-					
600 MSL		-	-	VA	151.96	-			CG 500 FT/NM TO 800		
TTAPS	295318.83N/0951420.51W	Y	FB	DF	-	-	AT/BELOW 4000		LEFT TURN		
BOTLL	294925.54N/0950806.00W	Y	FB	TF	125.52	6.67	AT/BELOW 5000				
RW15R (AER)	295916.10N/0952141.03W	N	-	-	-	-					
600 MSL		-	-	VA	151.95	-			CG 500 FT/NM TO 800		

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18

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18
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DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
RITAA				SEVEN		RITAA7.RITAA		SIX		08/08/2019		08 SEP 2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
TTAPS	295318.83N/0951420.51W	Y	FB	DF	-	-	AT/BELOW 4000		LEFT TURN				
BOTLL	294925.54N/0950806.00W	Y	FB	TF	125.52	6.67	AT/BELOW 5000						
RW26L (AER)	295936.38N/0951930.95W	N	-	-	-	-							
600 MSL		-	-	VA	269.96	-			CG 500 FT/NM TO 800				
		-	-	VM	269.96	-							
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000						
RW26R (AER)	300025.86N/0951949.29W	N	-	-	-	-							
600 MSL		-	-	VA	269.96	-			CG 500 FT/NM TO 800				
		-	-	VM	269.96	-							
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000						
RW27 (AER)	295839.41N/0951809.09W	N	-	-	-	-							
600 MSL		-	-	VA	269.97	-			CG 500 FT/NM TO 800				
		-	-	VM	269.97	-							
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000						
RW33L (AER)	295748.75N/0952047.58W	N	-	-	-	-							
600 MSL		-	-	VA	331.96	-			CG 500 FT/NM TO 800				
		-	-	VM	331.96	-							
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000						

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18

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RITAA		SEVEN		RITAA7.RITAA		SIX		08/08/2019	08 SEP 2022
<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>
RW33R (AER)	295731.55N/0952024.19W	N	-	-	-	-			
600 MSL		-	-	VA	331.96	-			CG 500 FT/NM TO 800
		-	-	VM	331.96	-			
BOTLL	294925.54N/0950806.00W	Y	FB	DF	-	-	AT/BELOW 5000		
BOTLL	294925.54N/0950806.00W	Y	-	IF	-	-	AT/BELOW 5000		
FLYZA	294503.98N/0950415.93W	Y	FB	TF	142.49	5.48	AT/ABOVE 7000		
WINEO	293938.71N/0950922.15W	Y	FB	TF	219.44	7.00	AT/ABOVE 9000		
RITAA	293529.29N/0951355.55W	Y	FB	TF	223.78	5.74	AT/ABOVE 10000		
RITAA	293529.29N/0951355.55W	Y	-	IF	-	-	AT/ABOVE 10000		RITAA7.CRP
SKUBA	291143.09N/0954728.37W	Y	FB	TF	231.16	37.70			
PSX VORTAC	284551.93N/0961822.25W	Y	FB	TF	226.55	37.41			
YOMOM	275915.35N/0970855.98W	Y	FB	TF	224.02	64.42			
CRP VORTAC	275413.56N/0972641.57W	Y	FB	TF	252.38	16.51			
RITAA	293529.29N/0951355.55W	Y	-	IF	-	-	AT/ABOVE 10000		RITAA7.WWREN
RIIGG	285408.68N/0953701.36W	Y	FB	TF	206.20	45.92			
WWREN	280753.99N/0960554.98W	Y	FB	TF	209.01	52.68			
RITAA	293529.29N/0951355.55W	Y	-	IF	-	-	AT/ABOVE 10000		RITAA7.PSX
SKUBA	291143.09N/0954728.37W	Y	FB	TF	231.16	37.70			
PSX VORTAC	284551.93N/0961822.25W	Y	FB	TF	226.55	37.41			



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RITAA		SEVEN		RITAA7.RITAA		SIX		08/08/2019	08 SEP 2022
<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>
RITAA	293529.29N/0951355.55W	Y	-	IF	-	-	AT/ABOVE 10000		RITAA7.NGP
RIIGG	285408.68N/0953701.36W	Y	FB	TF	206.20	45.92			
NGP TACAN	274110.60N/0971741.08W	Y	FB	TF	231.08	114.85			
RITAA	293529.29N/0951355.55W	Y	-	IF	-	-	AT/ABOVE 10000		RITAA7.YOMOM
SKUBA	291143.09N/0954728.37W	Y	FB	TF	231.16	37.70			
PSX VORTAC	284551.93N/0961822.25W	Y	FB	TF	226.55	37.41			
YOMOM	275915.35N/0970855.98W	Y	FB	TF	224.02	64.42			

