

NFDD NO. 077

04/19/2024

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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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
PITZZ	FIVE	PITZZ5.PITZZ	FOUR	12/10/2015	11 JUL 2024

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8L/8R: CLIMB HEADING 086.94 TO 600, EXPECT RADAR VECTORS TO RODKL, THENCE...

TAKE OF RWY 9: CLIMB HEADING 086.95 TO 600, EXPECT RADAR VECTORS TO RODKL, THENCE...

TAKE OF 15L: CLIMB HEADING 148.96 TO 600, THEN RIGHT TURN DIRECT TO CROSS JAYLO AT OR BELOW 5000, THE ON TRACK 237.01 TO RODKL, THENCE...

TAKEOFF RWY 15R: CLIMB HEADING 148.95 TO 600, THEN RIGHT TURN DIRECT TO CROSS JAYLO AT OR BELOW 5000, THEN ON TRACK 237.01 TO RODKL, THENCE...

...ON TRACK 237.90 TO CROSS PITZZ AT OR ABOVE 7000, THEN ON (TRANSITION). MAINTAIN 16000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
CRGER	PITZZ5.CRGER	PITZZ	CUZZZ	TRACK 296.61	30.23	9700	1800	CUZZZ AT/ABOVE 13000
			ZUUUU	TRACK 277.14	9.30	12000	1700	
			PUFER	TRACK 277.06	44.15	12000	2100	
			PSTUR	TRACK 276.78	34.30	12000	2400	
			CRGER	TRACK 280.77	32.91	12000	3100	
MNURE	PITZZ5.MNURE	PITZZ	GRZIA	TRACK 279.00	13.97	6400	1700	GRZIA AT/ABOVE 10000
			CHATI	TRACK 278.22	6.15	7600	1600	CHATI AT/ABOVE 13000
			BOCCK	TRACK 278.20	14.43	10200	1600	
			MNURE	TRACK 277.31	18.98	12000	2100	
SAN ANTONIO	PITZZ5.SAT	PITZZ	GRZIA	TRACK 279.00	13.97	6400	1700	GRZIA AT/ABOVE 10000
			CHATI	TRACK 278.22	6.15	7600	1600	CHATI AT/ABOVE 13000
			BOCCK	TRACK 278.20	14.43	10200	1600	
			MNURE	TRACK 277.31	18.98	12000	2100	
			MARCS	TRACK 262.50	67.76	12000	2600	

QUALITY
23
CHECKED

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

Electronic Version

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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>
PITZZ			FIVE	PITZZ5.PITZZ	FOUR	12/10/2015	11 JUL 2024
			SAT VORTAC		TRACK 241.29	34.82	12000 2800
WAILN	PITZZ5.WAILN	PITZZ	MNNKE		TRACK 255.98	17.00	7100 1700 MNNKE AT/ABOVE 13000
			WEEED		TRACK 269.64	15.88	10100 1700
			WAILN		TRACK 271.98	20.41	12000 1800

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS REQUIRED.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

RADAR REQUIRED FOR NON- GPS EQUIPPED AIRCRAFT.

PROCEDURAL DATA NOTES:

NOTE: FOR USE DURING EAST FLOW AT IAH. FOR WEST FLOW FILE THE BNDTO RNAV DEPARTURE.

TAKEOFF MINIMUMS:

RWY 8L, 8R, 9, 15L, 15R, STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1500.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:**MSA:**

MSA FROM KIAH 3100.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KIAH 3E EPOCH YR: 2015.

DME/DME ASSESSMENT: SAT (RNP 2.0).

CHART: TOP ALTITUDE 16000

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KIAH	GEORGE BUSH INTERCONTINENTAL/HOUSTON	TX

COMMUNICATIONS:

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

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

ABBREVIATED AMENDMENT



<u>FLIGHT INSPECTED BY</u>		<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
NICHOLAS VARNER		<i>Digitally signed by</i> DAVID DANNER Apr 12, 2024	FIOG	4/8/2024	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
STEVEN DOUGHERTY	STEVEN DOUGHERTY Apr 01, 2024		AJV-A421	01/25/2024	
<u>APPROVED BY</u>		<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DAVID DANNER		<i>Digitally signed by</i> DAVID DANNER Apr 12, 2024	AJV-A421		MANAGER
<u>REQUIRED EFFECTIVE DATE</u>					

COORDINATED WITH:

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

- CHANGES - REASONS:
- TRANSITION ROUTES: CHANGED CRGER ENROUTE TRANSITION FROM PUFER TO PSTUR MOCA FROM 2100 FT TO 2400 FT - NEW OBSTACLE.
 - ADDITIONAL FLIGHT DATA: DELETED PILOT NAVIGATION AREA - NO LONGER REQUIRED.
 - PBN AND EQUIPMENT NOTES UPDATED - 8260.46J APPENDIX E.
 - TAKEOFF OBSTACLES NOTES: REPLACED ALL OBSTACLES WITH THE STATEMENT "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)" - 8260.46J APPENDIX E.
 - REMARKS: ADDED "ABBREVIATED AMENDMENT" - SID PROCESSED AS ABBREVIATED AMENDMENT, 8260.46J APPENDIX E.
 - EQUIPMENT REQUIREMENTS NOTES: ADDED "RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT" - PER 8260.46J CH. 2.
 - MSA: ADDED "MSA FROM KIAH 3100" - PER 8260.46J APPENDIX E.
 - ADDITIONAL FLIGHT DATA: DELETED "CHART MEA/MOCA FROM SHAAK TO BNDTO, 3600/1600" - NO LONGER REQUIRED.
 - COMMUNICATIONS: ADDED "CHART:..." - 8260.46J APPENDIX E.

04/01/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/25/24.
1. TRANSITION ROUTES: WAILN TRANSITION, WEEED TO WAILN LEG: DISTANCE CHANGED FROM 34.82 TO 20.41.



**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>
PITZZ		FIVE		PITZZ5.PITZZ		FOUR		12/10/2015	11 JUL 2024
<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>
RW08L (AER)	300025.78N/0952131.65W	N	-	-	-	-			
600 MSL		-	-	VA	089.94	-	AT/ABOVE 600		CG 500 FT/NM TO 1500
		-	-	VM	089.94	-			
RODKL	295115.44N/0952931.32W	Y	FB	DF	-	-			
RW08R (AER)	295936.30N/0952117.87W	N	-	-	-	-			
600	MSL	-	-	VA	089.94	-	AT/ABOVE 600		CG 500 FT/NM TO 1500
		-	-	VM	089.94	-			
RODKL	295115.44N/0952931.32W	Y	FB	DF	-	-			
RW09 (AER)	295839.33N/0952002.79W	N	-	-	-	-			
600 MSL		-	-	VA	089.95	-	AT/ABOVE 600		CG 500 FT/NM TO 1500
		-	-	VM	089.95	-			
RODKL	295115.44N/0952931.32W	Y	FB	DF	-	-			
RW15L (AER)	295916.40N/0952128.33W	N	-	-	-	-			
600 MSL		-	-	VA	151.96	-	AT/ABOVE 600		CG 500 FT/NM TO 1500
JAYLO	295307.08N/0952549.48W	Y	FB	DF	-	-	AT/BELOW 5000		RIGHT TURN
RODKL	295115.44N/0952931.32W	Y	FB	TF	240.01	3.71			
RWY15R (AER)	295916.10N/0952141.03W	N	-	-	-	-			
600 MSL		-	-	VA	151.95	-	AT/ABOVE 600		CG 500 FT/NM TO 1500

QUALITY
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PITZZ		FIVE		PITZZ5.PITZZ		FOUR		12/10/2015	11 JUL 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
JAYLO	295307.08N/0952549.48W	Y	FB	DF	-	-	AT/BELOW 5000		RIGHT TURN
RODKL	295115.44N/0952931.32W	Y	FB	TF	240.01	3.71			
RODKL	295115.44N/0952931.32W	Y	-	IF	-	-			
PITZZ	294919.24N/0953330.58W	Y	FB	TF	240.90	3.97	AT/ABOVE 7000		
PITZZ	294919.24N/0953330.58W	Y	-	IF	-	-	AT/ABOVE 7000		PITZZ5.CRGER
CUZZZ	300414.33N/0960348.07W	Y	FB	TF	299.61	30.23	AT/ABOVE 13000		
ZUUUU	300552.42N/0961421.48W	Y	FB	TF	280.14	9.30			
PUFER	301326.48N/0970432.09W	Y	FB	TF	280.06	44.15			
PSTUR	301911.13N/0974335.19W	Y	FB	TF	279.78	34.30			
CRGER	302657.12N/0982034.26W	Y	FB	TF	283.77	32.91			
PITZZ	294919.24N/0953330.58W	Y	-	IF	-	-	AT/ABOVE 7000		PITZZ5.MNURE
GRZIA	295212.89N/0954913.37W	Y	FB	TF	282.00	13.97	AT/ABOVE 10000		
CHATI	295324.72N/0955610.07W	Y	FB	TF	281.22	6.15	AT/ABOVE 13000		
BOCCK	295612.26N/0961227.32W	Y	FB	TF	281.20	14.43			
MNURE	295934.88N/0963357.84W	Y	FB	TF	280.31	18.98			
PITZZ	294919.24N/0953330.58W	Y	-	IF	-	-	AT/ABOVE 7000		PITZZ5.SAT
GRZIA	295212.89N/0954913.37W	Y	FB	TF	282.00	13.97	AT/ABOVE 10000		
CHATI	295324.72N/0955610.07W	Y	FB	TF	281.22	6.15	AT/ABOVE 13000		
BOCCK	295612.26N/0961227.32W	Y	FB	TF	281.20	14.43			
MNURE	295934.88N/0963357.84W	Y	FB	TF	280.31	18.98			

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PITZZ		FIVE		PITZZ5.PITZZ		FOUR		12/10/2015	11 JUL 2024
<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>
MARCS	295352.04N/0975140.70W	Y	FB	TF	265.50	67.76			
SAT VORTAC	293838.51N/0982740.73W	Y	FB	TF	244.29	34.82			
PITZZ	294919.24N/0953330.58W	Y	-	IF	-	-	AT/ABOVE 7000		PITZZ5.WAILN
MNNKE	294602.38N/0955241.21W	Y	FB	TF	258.98	17.00	AT/ABOVE 13000		
WEEED	294645.14N/0961054.94W	Y	FB	TF	272.64	15.88			
WAILN	294829.63N/0963417.12W	Y	FB	TF	274.98	20.41			

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