

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
JUNCTION	NINE	JCT9.JCT	EIGHT	3/5/2015	10 DEC 2015

TYPE: SID

DP ROUTE DESCRIPTION:

DEPARTING GEORGE BUSH INTERCONTINENTAL/HOUSTON: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO CUZZZ INT. MAINTAIN 16000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE. THENCE..

ALL OTHER AIRPORTS: WHEN ENTERING CONTROLLED AIRSPACE. CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO CUZZZ INT. MAINTAIN 4000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE, THENCE ...

... VIA IAH A-276 AND JCT R-090 TO JCT VORTAC

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED. NOTE FOR AIRCRAFT OVERFLYING JCT VORTAC VIA J86 FILING FL.240 OR ABOVE.

TAKEOFF MINIMUMS; GEORGE BUSH INTERCONTINENTAL HOUSTON: RWY 8R, 8L, 9, 27, 15L, 15R, 26L, 26R, 33L, 33R STANDARD. **LONE STAR EXECUTIVE;** RWY 1, 14, 19, 32 STANDARD. **DAVID WAYNE HOOKS MEMORIAL:** RWY 17R, 35L STANDARD. RWY 17L, 35R NA - ENVIRONMENTAL. WATERWAY 17, 35 NA - AIR TRAFFIC

TAKEOFF OBSTACLES NOTES:

GEORGE BUSH INTERCONTINENTAL HOUSTON: NOTE: **RWY 8L**, TREE 2866' FROM DER. 921' LEFT OF CENTERLINE, 107 AGL/201' MSL MULTIPLE TREES BEGINNING 2750' FROM DER, 106' RIGHT OF CENTERLINE, UP TO 80' AGL/174' MSL. NOTE: **RWY 15L**, MULTIPLE TREES BEGINNING 2638' FROM DER, 758' RIGHT OF CENTERLINE. UP TO 76' AGL/160' MSL. NOTE: **RWY 15R**, TOWER 1431' FROM DER. 591' LEFT OF CENTERLINE, 48' AGL/133 MSL. ANTENNA ON GLIDESLOPE 1469' FROM DER 621' LEFT OF CENTERLINE. 49' AGL/133' MSL NOTE: **RWY 26R**, POLE 950' FROM DER, 660' RIGHT OF CENTERLINE, 40' AGL/129' MSL NOTE: **RWY 33R**, TREE 2868' FROM DER. 1027' RIGHT OF CENTERLINE, 73' AGL/172' MSL

LONE STAR EXECUTIVE; RWY 1, MULTIPLE TREES BEGINNING 1899' FROM DER. 11' LEFT OF CENTERLINE, UP TO 40' AGL/314' MSL OL ON GLIDESLOPE 387' FROM DER. 404' RIGHT OF CENTERLINE. 23' AGL/258' MSL TOWER 457' FROM DER. 387' RIGHT OF CENTERLINE. 45' AGL/275' MSL MULTIPLE TREES BEGINNING 788' FROM DER. 134' RIGHT OF CENTERLINE, UP TO 79' AGL/313' MSL. NOTE: **RWY 14**, MULTIPLE TREES BEGINNING 1655' FROM DER. 408' LEFT OF CENTERLINE, UP TO 81' AGL/300' MSL. OL ON OME 401' FROM DER. 266' RIGHT OF CENTERLINE, 21' AGL/255' MSL MULTIPLE TREES BEGINNING 1480' FROM DER, 80' RIGHT OF CENTERLINE, UP TO 77' AGL/306' MSL. NOTE: **RWY 19**, MULTIPLE TREES BEGINNING 17' FROM DER 157' LEFT OF CENTERLINE. UP TO 95' AGL/315' MSL. MULTIPLE TREES BEGINNING 68' FROM DER. 156' RIGHT OF CENTERLINE. UP TO 80' AGL/305' MSL NOTE: **RWY 32**, VEHICLE AND ROAD 602' FROM DER, 551' LEFT OF CENTERLINE, 15' AGL/257 MSL POLE 1411' FROM DER. 458' LEFT OF CENTERLINE, 29' AGL/268' MSL TREE 2448' FROM DER. 990' RIGHT OF CENTERLINE, 106' AGL/325 MSL

DAVID WAYNE HOOKS MEMORIAL; NOTE: **RWY 17R**, MULTIPLE TREES BEGINNING 708' FROM DER, 68' LEFT OF CENTERLINE, UP TO 71' AGL/220' MSL MULTIPLE HANGARS BEGINNING 433' FROM DER, 515' LEFT OF CENTERLINE, UP TO 37' AGL/182' MSL DME ANTENNA 653' FROM DER. 256' LEFT OF CENTERLINE, 13' AGL/162' MSL. MULTIPLE TREES AND POLE BEGINNING 85' FROM DER. 294' RIGHT OF CENTERLINE. UP TO 45' AGL/189' MSL NOTE: **RWY 35L**, MULTIPLE TREES AND POLES BEGINNING 144' FROM DER, 32' LEFT OF CENTERLINE. UP TO 79' AGL/238' MSL MULTIPLE HANGARS AND BUILDINGS BEGINNING 85' FROM DER. 9' LEFT OF CENTERLINE. UP TO 53' AGL/202' MSL MULTIPLE TREES. TOWER AND POLES BEGINNING 100' FROM DER. 124' RIGHT OF CENTERLINE. UP TO 93' AGL/247 MSL VEHICLE AND ROAD 315' FROM DER, ON CENTERLINE 15' AGL/166' MSL.

QUALITY
17
CHECKED

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BUILDING 894' FROM DER, 231' RIGHT OF CENTERLINE. 23' AGL/173' MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

GEORGE BUSH INTERCONTINENTAL/HOUSTON – CHART: TOP ALTITUDE: 16000
DAVID WAYNE HOOKS MEMORIAL – CHART: TOP ALTITUDE: 4000
LONE STAR EXECUTIVE – CHART: TOP ALTITUDE: 4000

AIRPORTS SERVED:

GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON	HOUSTON, TX
LONE STAR EXECUTIVE	HOUSTON, TX
DAVID WAYNE HOOKS MEMORIAL	HOUSTON, TX

COMMUNICATIONS:

ATIS: IAH. OWH, CXO. CLNC DEL: IAH, DWH, CXO GNO CON: IAH. DWH, CXO. TWR: IAH. DWH. CXO DEP CON: IAH, CXO. DWH.

FIXES AND/OR NAVAIDS:

CHART: CLL R-155 AT ZUUUU; PUFER/IAH 91.45 DME; SAT R-359 AT SPURS INT. CLL R-142 AT CUZZZ; SAT R-056 AT PUFER.
CHART: J86 BETWEEN JCT VORTAC AND PUFER INT

REMARKS:



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CHANGES:

1. CHANGED IAH MAINTAIN AND TOP ALITUDE FROM 4000 TO 16000.

REASONS:

- 1, 2. ATC REQUEST



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
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ARINC SUMMARY - KCXO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ALL	010	CUZZZ	IF	FB										E
ALL	020	ZUUUU	TF	FB										E
ALL	030	PUFER	TF	FB										E
ALL	040	SPURS	TF	FB										E
ALL	050	JCT	TF	FB										VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JCT	N303552.88	W0994902.93
CUZZZ	N300414.33	W0960348.07
PUFER	N301326.48	W0970432.09
SPURS	N302419.05	W0982058.57
ZUUUU	N300552.42	W0961421.48

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW01	N302044.23	W0952510.12	00230
RW14	N302145.72	W0952513.62	00234
RW19	N302131.51	W0952453.28	00229
RW32	N302044.54	W0952425.10	00241



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
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ARINC SUMMARY - KDWH

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW17R	010	CUZZZ	IF	FB										E
RW17R	020	ZUUUU	TF	FB										E
RW17R	030	PUFER	TF	FB										E
RW17R	040	SPURS	TF	FB										E
RW17R	050	JCT	TF	FB										VE
RW35L	010	CUZZZ	IF	FB										E
RW35L	020	ZUUUU	TF	FB										E
RW35L	030	PUFER	TF	FB										E
RW35L	040	SPURS	TF	FB										E
RW35L	050	JCT	TF	FB										VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JCT	N303552.88	W0994902.93
CUZZZ	N300414.33	W0960348.07
PUFER	N301326.48	W0970432.09
SPURS	N302419.05	W0982058.57
ZUUUU	N300552.42	W0961421.48

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW17R	N300414.04	W0953315.88	00152
RW35L	N300315.10	W0953307.27	00145



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
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ARINC SUMMARY - KIAH

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ALL	010	CUZZZ	IF	FB										E
ALL	020	ZUUUU	TF	FB										E
ALL	030	PUFER	TF	FB										E
ALL	040	SPURS	TF	FB										E
ALL	050	JCT	TF	FB										VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JCT	N303552.88	W0994902.93
CUZZZ	N300414.33	W0960348.07
PUFER	N301326.48	W0970432.09
SPURS	N302419.05	W0982058.57
ZUUUU	N300552.42	W0961421.48

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW08L	N300025.78	W0952131.65	00091
RW08R	N295936.30	W0952117.87	00095
RW09	N295839.34	W0952002.79	00091
RW15L	N295916.40	W0952128.33	00095
RW15R	N295916.11	W0952141.04	00096
RW26L	N295936.38	W0951930.96	00093
RW26R	N300025.86	W0951949.29	00095
RW27	N295839.41	W0951809.09	00085
RW33L	N295748.75	W0952047.58	00087
RW33R	N295731.55	W0952024.19	00086

