

**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.  
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
JUDTH	SIX	JUDTH6.JUDTH	FIVE	11/10/2016	02 MAR 2017
<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:****CHANDLER:**

TAKEOFF RWY 4L: CLIMB HEADING 037.62 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 4R: CLIMB HEADING 037.63 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 22L: CLIMB HEADING 217.64 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 22R: CLIMB HEADING 217.63 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO GBN VORTAC, THEN ON TRACK 249.00 TO JUDTH. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

**PHOENIX DEER VALLEY:**

TAKEOFF RWY 25L: CLIMBING RIGHT TURN HEADING 320.00 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 25R: CLIMBING RIGHT TURN HEADING 320.00 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO GBN VORTAC, THEN ON TRACK 249.00 TO JUDTH. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

**GLENDALDE MUNI:**

TAKEOFF RWY 1: CLIMB HEADING 013.71 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 19: CLIMB HEADING 200.00 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO GBN VORTAC, THEN ON TRACK 249.00 TO JUDTH. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

**PHOENIX GOODYEAR:**

TAKEOFF RWY 3: CLIMB HEADING 028.09 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 21: CLIMB HEADING 228.00 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO GBN VORTAC, THEN ON TRACK 249.00 TO JUDTH. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

**PHOENIX-MESA GATEWAY:**

TAKEOFF RWY 12L: CLIMB HEADING 123.57 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 12C: CLIMB HEADING 123.57 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 12R: CLIMB HEADING 123.56 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 30L: CLIMB HEADING 303.57 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 30C: CLIMB HEADING 303.58 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 30R: CLIMB HEADING 303.58 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO GBN VORTAC, THEN ON TRACK 249.00 TO JUDTH. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

**PHOENIX SKY HARBOR INTL:**

TAKEOFF RWY 7L: CLIMB HEADING 078.04 TO 1640, THEN DIRECT FUTEP, THEN ON TRACK 132.04 TO AZCRD, THEN ON TRACK 198.60 TO USEYE, THEN ON TRACK 264.34 TO CROSS MASVE AT/ ABOVE 7000 AND AT/BELOW 220KIAS, THEN ON TRACK 264.34 TO OAKLI, THEN ON TRACK 221.88 TO GBN VORTAC, THENCE...

TAKEOFF RWY 7R: CLIMB HEADING 078.03 TO 1640, THEN DIRECT FUTEP, THEN ON TRACK 132.04 TO AZCRD, THEN ON TRACK 198.60 TO USEYE, THEN ON TRACK 264.34 TO CROSS MASVE AT/ ABOVE 7000 AND AT/BELOW 220KIAS, THEN ON TRACK 264.34 TO OAKLI, THEN ON TRACK 221.88 TO GBN VORTAC, THENCE...

TAKEOFF RWY 8: CLIMB HEADING 078.06 TO 1640, THEN DIRECT FUTEP, THEN ON TRACK 132.04 TO AZCRD, THEN ON TRACK 198.60 TO USEYE, THEN ON TRACK 264.34 TO CROSS MASVE AT/ ABOVE 7000 AND AT/BELOW 220KIAS, THEN ON TRACK 264.34 TO OAKLI, THEN ON TRACK 221.88 TO GBN VORTAC, THENCE...

TAKEOFF RWY 25L: CLIMB HEADING 258.05 TO 1640, THEN CLIMBING LEFT TURN DIRECT DAVZZ, THEN ON TRACK 173.30 TO CROSS VANZZ AT/BELOW 8000, THEN RIGHT TURN DIRECT CLUBZ, THEN ON TRACK 221.77 TO GBN VORTAC, THENCE...

TAKEOFF RWY 25R: CLIMB HEADING 258.06 TO 1640, THEN CLIMBING LEFT TURN DIRECT DAVZZ, THEN ON TRACK 173.30 TO CROSS VANZZ AT/BELOW 8000, THEN RIGHT TURN DIRECT CLUBZ, THEN ON TRACK 221.77 TO GBN VORTAC, THENCE ...

TAKEOFF RWY 26: CLIMB HEADING 258.08 TO 1640, THEN CLIMBING LEFT TURN DIRECT DAVZZ, THEN ON TRACK 173.30 TO CROSS VANZZ AT/BELOW 8000, THEN RIGHT TURN DIRECT CLUBZ, THEN

QUALITY  
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ON TRACK 221.77 TO GBN VORTAC, THENCE ...

...ON TRACK 249.00 TO JUDTH, THEN ON (TRANSITION). MAINTAIN 8000, EXPECT HIGHER ALTITUDE 3 MINUTES AFTER DEPARTURE.

SCOTTSDALE:

TAKEOFF RWY 3: CLIMBING LEFT TURN HEADING 335.00 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 21: CLIMBING RIGHT TURN HEADING 335.00 OR AS ASSIGNED BY ATC. THENCE...

...EXPECT RADAR VECTORS TO GBN VORTAC, THEN ON TRACK 249.00 TO JUDTH. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 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>
MOHAK	JUDTH6.MOHAK	JUDTH	MOHAK	TRACK 248.45	14.55	FL180		

**PROCEDURAL DATA NOTES:**

NOTE: RNAV 1.

NOTE: TURBOJETS AND TURBOPROPS ONLY.

NOTE: RADAR REQUIRED.

KCHD, KDVT, KGEU, KGYR, KIWA, KSDL NOTE: GPS REQUIRED.

KPHX NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: AIRCRAFT DEPARTING KGEU AND KGYR ATC ASSIGNED ONLY

**TAKEOFF MINIMUMS:**

CHANDLER:

RWY 4L/R, 22L/R: STANDARD.

PHOENIX DEER VALLEY:

RWY 7L/R: NA – OBSTACLES.

RWY 25L/R: STANDARD WITH MINIMUM CLIMB OF 370 FT/NM TO 4600.

GLENDALE MUNI:

RWY 1, 19: STANDARD.

PHOENIX GOODYEAR:

RWY 3, 21: STANDARD.

PHOENIX-MESA GATEWAY:

RWY 12L/C/R: STANDARD WITH A MINIMUM CLIMB OF 250 FT/NM TO 3100.

RWY 30L/C/R: STANDARD.

PHOENIX SKY HARBOR INTL:

RWY 7L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1640, THEN MINIMUM CLIMB OF 391 FT/NM TO 7000.

RWY 7R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1640, THEN MINIMUM CLIMB OF 380 FT/NM TO 7000.

RWY 8: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1640, THEN MINIMUM CLIMB OF 393 FT/NM TO 7000.

RWY 25L/R, 26: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1640, THEN MINIMUM CLIMB OF 250 FT/NM TO 5600.

SCOTTSDALE:

RWY 3: STANDARD WITH MINIMUM CLIMB OF 445 FT/NM TO 4600.

RWY 21: STANDARD WITH MINIMUM CLIMB OF 300 FT/NM TO 4600.

QUALITY  
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**TAKEOFF OBSTACLES NOTES:****CHANDLER:**

NOTE: RWY 4L, ANTENNA ON BUILDING 69 FT FROM DER, 515 FT LEFT OF CENTERLINE, 25 FT AGL/1281 FT MSL. TOWER 981 FT FROM DER. 615 FT LEFT OF CENTERLINE, 80 FT AGL/1319 FT MSL.

TREES AND POLES BEGINNING 1100 FT FROM DER. 458 FT LEFT OF CENTERLINE, UP TO 30FT AGL/1272 FT MSL.

NOTE: RWY 4R, POLES BEGINNING 1298 FT FROM DER. 56 FT LEFT OF CENTERLINE, UP TO 36 FT AGL/1283 FT MSL.

NOTE: RWY 22L, TREE 336 FT FROM DER, 511 FT RIGHT OF CENTERLINE, 15 FT AGL/1250 FT MSL. TREE 988 FT FROM DER, 756 FT LEFT OF CENTERLINE, 30 FT AGL/1266 FT MSL.

NOTE: RWY 22R, BUILDING 30 FT FROM DER, 441 FT RIGHT OF CENTERLINE, 24 FT AGL/1254 FT MSL. VEHICLES BEGINNING 199 FT FROM DER, 271 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/1246 FT MSL. POLES AND TREES BEGINNING 471 FT FROM DER, 45 FT LEFT OF CENTERLINE, UP TO 36 FT AGL/1290 FT MSL. TREES AND POLES BEGINNING 1088 FT FROM DER. 50FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/1274 FT MSL.

**PHOENIX DEER VALLEY:**

NOTE: RWY 25L, POLE 1127 FT FROM DER, 498 FT RIGHT OF CENTERLINE, 36 FT AGL/1475 FT MSL. POLE 1184 FT FROM DER, 495 FT LEFT OF CENTERLINE, 32 FT AGL/1471 FT MSL.

NOTE: RWY 25R, MULTIPLE ANTENNAS BEGINNING 1.4 NM FROM DER, 1847 FT RIGHT OF CENTERLINE, UP TO 96 FT AGL/1806 FT MSL.

**GLENDALE MUNI:**

NOTE: RWY 1, LIGHT ON BLAST FENCE 4 FT FROM DER, 130 FT LEFT OF CENTERLINE, UP TO 10 FT AGL/1088 FT MSL. TREES BEGINNING 124 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/1104 FT MSL. VEHICLES BEGINNING 299 FT FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/1091 FT MSL. POLES AND TREES BEGINNING 400 FT FROM DER, 197 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/1144 FT MSL.

NOTE: RWY 19, TREES BEGINNING 281 FT FROM DER, 331 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/1060 FT MSL.

**PHOENIX GOODYEAR:**

NOTE: RWY 3, POLES BEGINNING 159 FT FROM DER, 267 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/1015 FT MSL. BLDG 1512 FT FROM DER, 828 FT RIGHT OF CENTERLINE, 48 FT AGL/1014 FT MSL. TREE 1957 FT FROM DER, 551 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/1019 FT MSL.

NOTE: RWY 21, TRANSMISSION TOWER 2610 FT FROM DER, 1078 FT LEFT OF CENTERLINE, 125 FT AGL/1047 FT MSL. TRANSMISSION TOWER 3190 FT FROM DER, 311 FT LEFT OF CENTERLINE, 112 FT AGL/1031 FT MSL. POLE 3193 FT FROM DER, 308 FT LEFT OF CENTERLINE, 112 AGL/1030 MSL.

**PHOENIX-MESA GATEWAY:**

NOTE: RWY 30L/C/R, TREES BEGINNING 351 FT FROM DER, 351 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/1359 FT MSL. TREES BEGINNING 689 FT FROM DER, 398 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/1359 FT MSL.

**PHOENIX SKY HARBOR INTL:**

NOTE: RWY 7R, TRANSMISSION TOWERS AND POWER LINES, 3201 FT FROM DER, 1122 FT RIGHT OF CENTERLINE, UP TO 131 FT AGL/1260 FT MSL.

NOTE: RWY 8, MULTIPLE LT POLES, BEGINNING 2539 FT FROM DER, 900 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/1234 FT MSL. LT POLE, 1639 FT FROM DER, 793 FT RIGHT OF CENTERLINE, 46 FT AGL/1177 FT MSL.

NOTE: RWY 25L, MULTIPLE LT POLES, BEGINNING 681 FT FROM DER, 521 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/1166 FT MSL. SIGN, 902 FT FROM DER, 711 FT LEFT OF CENTERLINE, 64 FT AGL/1170 FT MSL. MULTIPLE LT POLES, BEGINNING 1519 FT FROM DER, 535 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/1201 FT MSL. MULTIPLE LT POLES, BEGINNING 1919 FT FROM DER, 598 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/1192 FT MSL.

NOTE: RWY 26, POLE, 42 FT FROM DER, 440 FT LEFT OF CENTERLINE, 26 FT AGL/1135 FT MSL. FENCE, 176 FT FROM DER, 547 FT LEFT OF CENTERLINE, 11 FT AGL/1120 FT MSL. POLE, 315 FT FROM DER, 499 FT LEFT OF CENTERLINE, 11 FT AGL/1120 FT MSL. TREE, 763 FT FROM DER, 642 FT LEFT OF CENTERLINE, 24 FT AGL/1135 FT MSL. POLE, 1959 FT FROM DER, 923 FT LEFT OF CENTERLINE, 59 FT AGL/1163 FT MSL. POLE, 2312 FT FROM DER, 318 FT LEFT OF CENTERLINE, 66 FT AGL/1169 FT MSL. POLE, 2336 FT FROM DER, 578 FT LEFT OF CENTERLINE, 67 FT AGL/1170 FT MSL. POLE, 78 FT FROM DER, 456 FT RIGHT OF CENTERLINE, 32 FT AGL/1142 FT MSL. POLE, 82 FT FROM DER, 64 FT RIGHT OF CENTERLINE, 18 FT AGL/1127 FT MSL. TREE, 118 FT FROM DER, 294 FT RIGHT OF CENTERLINE, 22 FT AGL/1133 FT MSL. TREE, 239 FT FROM DER, 214 FT RIGHT OF CENTERLINE, 22 FT AGL/1133 FT MSL. TREE, 414 FT FROM DER, 522 FT RIGHT OF CENTERLINE, 24 FT AGL/1135 FT MSL. SIGN, 520 FT FROM DER, 567 FT RIGHT OF CENTERLINE, 16 FT AGL/1125 FT MSL. POLE, 2301 FT FROM DER, 193 FT RIGHT OF CENTERLINE, 69 FT AGL/1171 FT MSL. POLE, 2302 FT FROM DER, 661 FT RIGHT OF CENTERLINE, 68 FT AGL/1171 FT MSL.

**SCOTTSDALE:**

NOTE: RWY 3, MULTIPLE LIGHT STANDARDS BEGINNING 63 FT FROM DER, 445 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/1554 FT MSL. HOIST ON DIKE 878 FT FROM DER, 735 FT LEFT OF CENTERLINE, 51 FT AGL/1561 FT MSL. DIKE BEGINNING 1066 FT FROM DER, 316 FT LEFT OF CENTERLINE, 38 FT AGL/1548 FT MSL. DAY MARKER ON DIKE 1230 FT FROM DER, 5 FT LEFT OF CENTERLINE, 39 FT AGL/1549 FT MSL. TREE 765 FT FROM DER, 115 FT LEFT OF CENTERLINE, 22 FT AGL/1532 FT MSL. ROAD BEGINNING 647 FT FROM DER, 296 FT LEFT OF CENTERLINE, 19 FT

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AGL/1529 FT MSL. FENCE BEGINNING 5 FT FROM DER, 338 FT RIGHT OF CENTERLINE, 6 FT AGL/1511 FT MSL. LIGHT STANDARD 1013 FT FROM DER, 430 FT RIGHT OF CENTERLINE, 44 FT AGL/1552 FT MSL.

NOTE: RWY 21, TREES 1072 FT FROM DER, 426 FT RIGHT OF CENTERLINE, 53 FT AGL/1497 FT MSL. BUILDING 316 FT FROM DER, 537 FT RIGHT OF CENTERLINE, 23 FT AGL/1467 FT MSL. TREE 2087 FT FROM DER, 418 FT LEFT OF CENTERLINE, 61 FT AGL/1505 FT MSL. TREE 1432 FT FROM DER, 438 FT RIGHT OF CENTERLINE, 38 FT AGL/1482 FT MSL. TREE 2234 FT FROM DER, 559 FT LEFT OF CENTERLINE, 58 FT AGL/1502 FT MSL.

**CONTROLLING OBSTACLES:**

SCOTTSDALE:

RWY 3: 3039 FT MSL AAO 334147.51 N/1115119.13W (CG) AND 3639 FT MSL AAO 334854.37N/1115628.61W (CTA)

PHOENIX DEER VALLEY:

RWY 25L/R: 2479 FT MSL AAO 334504.94N/1120513. 74W (CG) AND 4159 FT MSL AAO 334109.72N/1114920.69W (CTA)

PHOENIX SKY HARBOR INTL:

RWY 26: 1599 FT MSL BUILDING 332650.76N/1120424.48W

RWY 25L/R, 26: 4554 FT MSL AAO 331103.96N/1121150.53W

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KPHX 12E EPOCH YR: 2000

DME/DME/IRU ASSESSMENT: SAT (RNP 2.0)

PHOENIX SKY HARBOR INTL- CHART: TOP ALTITUDE: 8000.

PHOENIX-MESA GATEWAY- CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHANDLER MUNI- CHART: TOP ALTITUDE: ASSIGNED BY ATC.

PHOENIX GOODYEAR- CHART: TOP ALTITUDE: ASSIGNED BY ATC.

SCOTTSDALE- CHART: TOP ALTITUDE: ASSIGNED BY ATC.

GLENDALE MUNI- CHART: TOP ALTITUDE: ASSIGNED BY ATC.

PHOENIX DEER VALLEY- CHART: TOP ALTITUDE: ASSIGNED BY ATC.

PILOT NAVIGATION AREA:

10 NM ARC CENTERED ON GBN VORTAC (IF), CW

FROM: POINT A (BEARING 204.00 TO GBN VORTAC)

TO: POINT B (BEARING 294.00 TO GBN VORTAC)

MINIMUM ALTITUDE: 10000

CHART: MEA/MOCA FROM GBN VORTAC TO JUDTH FL180/3800.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
PHOENIX SKY HARBOR INTL	PHOENIX	AZ
PHOENIX-MESA GATEWAY	MESA	AZ
CHANDLER MUNI	CHANDLER	AZ
PHOENIX GOODYEAR	GOODYEAR	AZ

QUALITY  
3  
CHECKED

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SCOTTSDALE			SCOTTSDALE		AZ
GLENDALE MUNI			GLENDALE		AZ
PHOENIX DEER VALLEY			PHOENIX		AZ

**COMMUNICATIONS:**

CHANDLER MUNI: ATIS, GND CON, CHD ATCT, PHOENIX DEP CON  
 PHOENIX DEER VALLEY: ATIS, CLNC DEL, GND CON, DVT ATCT, PHOENIX DEP CON  
 GLENDALE MUNI: ATIS, GND CON, GEU ATCT, PHOENIX DEP CON, LUKE DEP CON  
 PHOENIX GOODYEAR: ATIS, GND CON, GYR ATCT, PHOENIX DEP CON, LUKE DEP CON  
 PHOENIX-MESA GATEWAY: ATIS, CLNC DEL, GND CON, IWA ATCT, PHOENIX DEP CON  
 PHOENIX SKY HARBOR INTL: ATIS, CLNC DEL, GND CON, PHX ATCT, PHOENIX DEP CON  
 SCOTTSDALE: ATIS, CLNC DEL, GND CON, SDL ATCT, PHOENIX DEP CON

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

KPHX RWYS 25L/R, 26 CLIMB GRADIENT AND CLIMB TO ALTITUDE IS OBSTACLE DRIVEN.  
 KPHX RWYS 7L/R, 8 CLIMB GRADIENTS ARE FOR DME/DME COVERAGE AND LNAV ENGAGEMENT AND NON-GPS EQUIPPED AIRCRAFT.  
 KPHX RWYS 7L/R, 8 UTILIZE MITRE 99 PERCENTILE WINDS FROM FUTEP TO MASVE WHICH ARE BASED ON A 5 YEAR STUDY OF KPHX WIND PATTERNS.

PNA ALTITUDE CHARTED AT 10000 DUE TO DME/DME MINIMUM RECEPTION ALTITUDE ANALYSIS IN RNAV PRO.

KDVT RWY 25L/R AND KSDL RWY 21 CLIMB GRADIENTS AND CLIMB TO ALTITUDE DETERMINED BY LOCATION OF 4600 MVA AND PROXIMITY TO HIGHER MVAS. KSDL: ATC WILL ASSIGN HEADING 335 OR AS ASSIGNED IN ACCORDANCE WITH DVA DATED 6/23/2014.

KDVT: ATC WILL ASSIGN HEADING 320 OR AS ASSIGNED IN ACCORDANCE WITH DVA DATED 6/30/2014.  
 SATELLITE AIRPORTS WERE MADE GPS REQUIRED DUE TO A HIGH PNA GRID ANALYSIS ALTITUDE ON SOME OF THE PNA SIDS. ELIMINATING THE PNA DME/DME/IRU GRID ANALYSIS REDUCED THE PNA ALTITUDE TO A MANAGABLE VECTORING ALTITUDE. KPHX RETAINED DME/DME/IRU OPERATIONS DUE TO HAVING A DEFINED ROUTE TO THE IDF AND DUE TO APPROXIMATELY 20 PERCENT OF THE DEPARTURES UTILIZING DME/DME/IRU NAVIGATION.

KGEU RWY 19 AND KGYR RWY 21 UTILIZE A HEADING FOR DEPARTURES WITHIN THE DVA RANGE FOR EACH RUNWAY WHICH IS CLOSEST TO THE RUNWAY ALIGNMENT SINCE THE RUNWAY ALIGNMENT IS NOT WITHIN THE USABLE DVA RANGE FOR VECTORING AIRCRAFT.

**FLIGHT INSPECTED BY:**

WILLIAM R GEISER

*Digitally signed by***BEV L BORDY**

Dec 21, 2016

**OFFICE SYMBOL:**

FIOG

**DATE:**

12/27/2016

**DEVELOPED BY:**

HERMAN ROGERS

*Digitally signed by***HERMAN C ROGERS**

Nov 29, 2016

**OFFICE SYMBOL:**

AJV-5432

**DATE:**

09/21/2016

**APPROVED BY:**

LONNIE EVERHART

*Digitally signed by***BEV L BORDY**

Dec 21, 2016

**OFFICE SYMBOL:**

AJV-5430

**DATE:**

QUALITY  
3  
CHECKED

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JUDTH	SIX	JUDTH6.JUDTH	FIVE	11/10/2016	02 MAR 2017

**REQUIRED EFFECTIVE DATE:**  
ROUTINE

**COORDINATED WITH:**

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZAB, PHOENIX APP CON, KPHX ATCT, WFPT

**CHANGES - REASONS:**

1. CHANGED SPEED AT MASVE FROM AT/BELOW 210 KIAS TO AT/BELOW 220 KIAS.



**FEDERAL AVIATION ADMINISTRATION  
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
JUDTH							SIX	JUDTH6.JUDTH	FIVE	11/10/2016	02 MAR 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW07L (AER)	332551.81N/1120137.56W	N	-	-	-	-					
1640 MSL	-	-	-	VA	090.04	-				MIN CG 500 FT/NM TO 1640	
FUTEP	332605.74N/1115222.24W	Y	FB	DF	-	-				CG 391 FT/NM TO 7000	
AZCRD	332339.19N/1115015.49W	Y	FB	TF	144.04	3.01					
USEYE	332101.54N/1115206.58W	Y	FB	TF	210.60	3.05					
MASVE	332118.74N/1115511.32W	Y	FB	TF	276.34	2.59	AT/ABOVE 7000	AT/BELOW 220K			
OAKLI	332150.37N/1120051.92W	Y	FB	TF	276.34	4.78					
GBN VORTAC	325722.53N/1124027.38W	Y	FB	TF	233.88	41.24					
RW07R (AER)	332543.89N/1120137.57W	N	-	-	-	-					
1640 MSL	-	-	-	VA	090.03	-				MIN CG 500 FT/N/NM TO 1640	
FUTEP	332605.74N/1115222.24W	Y	FB	DF	-	-				MIN CG 380 FT/NM TO 7000	
AZCRD	332339.19N/1115015.49W	Y	FB	TF	144.04	3.01					
USEYE	332101.54N/1115206.58W	Y	FB	TF	210.60	3.05					
MASVE	332118.74N/1115511.32W	Y	FB	TF	276.34	2.59	AT/ABOVE 7000	AT/BELOW 220K			
OAKLI	332150.37N/1120051.92W	Y	FB	TF	276.34	4.78					
GBN VORTAC	325722.53N/1124027.38W	Y	FB	TF	233.88	41.24					
RW08 (AER)*	332627.09N/1120136.66W	N	-	-	-	-				*DISPL THLD (898.0 FT)	
1640 MSL	-	-	-	VA	090.06	-				MIN CG 500 FT/NM TO 1640	
FUTEP	332605.74N/1115222.24W	Y	FB	DF	-	-				MIN CG 393 FT/NM TO 7000	
AZCRD	332339.19N/1115015.49W	Y	FB	TF	144.04	03.01					

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

<b>DP NAME</b>		<b>NUMBER</b>		<b>DP COMPUTER CODE</b>		<b>SUPERSEDED NUMBER</b>		<b>DATED</b>	<b>EFFECTIVE DATE</b>
JUDTH		SIX		JUDTH6.JUDTH		FIVE		11/10/2016	02 MAR 2017
<b>FIX/NAVAID</b>	<b>LAT/LONG</b>	<b>C</b>	<b>FO/FB</b>	<b>LEG TYPE</b>	<b>TC</b>	<b>DIST (NM)</b>	<b>ALTITUDE</b>	<b>SPEED</b>	<b>REMARKS</b>
USEYE	332101.54N/1115206.58W	Y	FB	TF	210.60	3.05			
MASVE	332118.74N/1115511.32W	Y	FB	TF	276.34	2.59	AT/ABOVE 7000	AT/BELOW 220K	
OAKLI	332150.37N/1120051.92W	Y	FB	TF	276.34	4.78			
GBN VORTAC	325722.53N/1124027.38W	Y	FB	TF	233.88	41.24			
RW25L (AER)	332543.84N/1120005.54W	N	-	-	-	-			
1640 MSL	-	-	-	VA	270.05	-			MIN CG 500 FT/NM TO 1640
DAVZZ	332247.37N/1120827.00W	Y	FB	DF	-	-			CG 250 FT/NM TO 5600, LEFT TURN
VANZZ	331935.44N/1120848.22W	Y	FO	TF	185.30	3.21	AT/BELOW 8000		
CLUBZ	331511.71N/1121142.10W	Y	FB	DF	-	5.01			RIGHT TURN
GBN VORTAC	325722.53N/1124027.38W	Y	FB	TF	233.77	30.00			
RW25R (AER)	332626.96N/1115931.69W	N	-	-	-	-			
1640 MSL	-	-	-	VA	270.06	-			MIN CG 500 FT/NM TO 1640
DAVZZ	332247.37N/1120827.00W	Y	FB	DF	-	5.01			CG 250 FT/NM TO 5600, LEFT TURN
VANZZ	331935.44N/1120848.22W	Y	FO	TF	185.30	3.21	AT/BELOW 8000		
CLUBZ	331511.71N/1121142.10W	Y	FB	DF	-				RIGHT TURN
GBN VORTAC	325722.53N/1124027.38W	Y	FB	TF	233.77	30.00			
RWY26 (AER)	332626.96N/1115931.69W	N	-	-	-	-			
1640 MSL	-	-	-	VA	270.08				MIN CG 500 FT/NM TO 1640
DAVZZ	332247.37N/1120827.00W	Y	FB	DF	-	-			CG 250 FT/NM TO 5600, LEFT TURN

QUALITY  
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**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>EFFECTIVE DATE</u>
JUDTH		SIX		JUDTH6.JUDTH		FIVE		11/10/2016	02 MAR 2017
<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>
VANZZ	331935.44N/1120848.22W	Y	FO	TF	185.30	3.21	AT/BELOW 8000		
CLUBZ	331511.71N/1121142.10W	Y	FB	DF	-	5.01			RIGHT TURN
GBN VORTAC	325722.53N/1124027.38W	Y	FB	TF	233.77	30.00			
GBN VORTAC	325722.53N/1124027.38W	Y	-	IF	-	-			
JUDTH	324859.41N/1134118.22W	Y	FB	TF	261.00	51.92			
JUDTH	324859.41N/1134118.22W	Y	-	IF	-	-			JUDTH6.MOHAK
MOHAK	324633.04N/1135819.55W	Y	FB	TF	260.45	14.55			

QUALITY  
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CHECKED