

**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.  
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| DP Name | Number | DP Computer Code | Superseded Number | Dated     | Effective Date     |
|---------|--------|------------------|-------------------|-----------|--------------------|
| LALUZ   | FOUR   | LALUZ4.LALUZ     | THREE             | 6/25/2015 | <b>21 JUL 2016</b> |

**TYPE:** RNAV SID

**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 FORPE, THEN ON TRACK 054.79 TO LALUZ. 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 FORPE, THEN ON TRACK 054.79 TO LALUZ. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

**GLENDALE 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 FORPE, THEN ON TRACK 054.79 TO LALUZ. 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 FORPE, THEN ON TRACK 054.79 TO LALUZ. 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 FORPE, THEN ON TRACK 054.79 TO LALUZ. 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 SPRKY, THEN LEFT TURN DIRECT FORPE, THENCE...  
 TAKEOFF RWY 7R: CLIMB HEADING 078.03 TO 1640, THEN DIRECT SPRKY, THEN LEFT TURN DIRECT FORPE, THENCE...  
 TAKEOFF RWY 8: CLIMB HEADING 078.06 TO 1640, THEN DIRECT SPRKY, THEN LEFT TURN DIRECT FORPE, THENCE...  
 TAKEOFF RWY 25L: CLIMB HEADING 258.05 TO INTERCEPT COURSE 307.50 TO TWSND, THEN ON TRACK 349.18 TO OXYGN, THEN ON TRACK 034.74 TO ZILUB, THEN ON TRACK 083.61 TO FORPE, THENCE...  
 TAKEOFF RWY 25R: CLIMB HEADING 258.06 TO INTERCEPT COURSE 307.50 TO TWSND, THEN ON TRACK 349.18 TO OXYGN, THEN ON TRACK 034.74 TO ZILUB, THEN ON TRACK 083.61 TO FORPE, THENCE...  
 TAKEOFF RWY 26: CLIMB HEADING 258.08 TO INTERCEPT COURSE 307.50 TO TWSND, THEN ON TRACK 349.18 TO OXYGN, THEN ON TRACK 034.74 TO ZILUB, THEN ON TRACK 083.61 TO FORPE, THENCE...  
 ...ON TRACK 054.79 TO LALUZ, THEN ON (TRANSITION). MAINTAIN 8000, EXPECT HIGHER ALTITUDE 3 MINUTES AFTER DEPARTURE.



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**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 FORPE, THEN ON TRACK 054.79 TO LALUZ. THEN ON (TRANSITION), EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

| Transition Name | Transition Computer Codes | From<br>FIX/NAVAID | To FIX/NAVAID | Course       | Distance | MEA   | MOCA  | Crossing Altitudes/Fixes |
|-----------------|---------------------------|--------------------|---------------|--------------|----------|-------|-------|--------------------------|
| ALBUQUERQUE     | LALUZ4.ABQ                | LALUZ              | SJN VORTAC    | TRACK 055.38 | 57.72    | FL180 | 11000 |                          |
|                 |                           | SJN VORTAC         | ABQ VORTAC    | TRACK 059.46 | 120.92   | FL180 | 10800 |                          |
| MAXXO           | LALUZ4.MAXXO              | LALUZ              | SJN VORTAC    | TRACK 055.38 | 57.72    | FL180 | 11000 |                          |
|                 |                           | SJN VORTAC         | JSSUA         | TRACK 080.11 | 56.22    | FL180 | 11300 |                          |
|                 |                           | JSSUA              | MAXXO         | TRACK 077.12 | 65.32    | FL180 | 11800 |                          |
| ST JOHNS        | LALUZ4.SJN                | LALUZ              | SJN VORTAC    | TRACK 055.38 | 57.72    | FL180 | 11000 |                          |

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

NOTE: RNAV 1.  
NOTE: TURBOJETS AND TURBOPROPS ONLY.  
NOTE: RADAR REQUIRED.  
KPHX NOTE: DME/DME/IRU OR GPS REQUIRED.  
KCHD, KDVT, KGEU, KGYR, KIWA, KSDL NOTE: GPS REQUIRED.  
NOTE: SJN TRANSITION FOR ABQ TERMINAL ARRIVALS ONLY.  
NOTE: MAXXO TRANSITION ATC ASSIGNED ONLY.  
NOTE: AIRCRAFT FILING OVER DEN, RSK, ALS AND POINTS NORTH OF ALS, FILE YOTES DEPARTURE.  
NOTE: AIRCRAFT FILING OVER ABQ, CIM, FTI AND GCK, FILE LALUZ DEPARTURE.  
NOTE: AIRCRAFT FILING OVER ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW AND TXO, FILE FTHLS DEPARTURE.  
KPHX NOTE: FOR NON-GPS EQUIPPED AIRCRAFT USING MAXXO AND ABQ TRANSITIONS, ABQ DME MUST BE OPERATIONAL.  
KPHX NOTE: FOR NON-GPS EQUIPPED AIRCRAFT, PXR DME MUST BE OPERATIONAL.  
KPHX NOTE: FOR NON-GPS EQUIPPED AIRCRAFT DEPARTING KPHX RWY 25L/R AND 26, IWA AND TFD DMEs MUST BE OPERATIONAL.  
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.



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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/R, 8: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1640 THEN MINIMUM CLIMB OF 240 FT PER NM TO 9000.  
RWY 25L/R, 26: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 2140.

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.

**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



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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 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:**

**PHOENIX SKY HARBOR INTL:**

RWY 8/7L/7R: 7857 FT MSL AAO 334113.07N/1111903.30W  
RWY 26: 1599 FT MSL BUILDING 332650.76N/1120424.48W

**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)

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KPHX 12E EPOCH YR: 2000  
DME/DME ASSESSMENT: SAT (RNP 2.0)  
ALL AIRPORTS - CHART: TOP ALTITUDE: 8000



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CHART: MEA/MOCA FROM FORPE TO LALUZ, FL180/10000.

**PILOT NAVIGATION AREA:**

10NM ARC CENTERED ON FORPE (IF), CW  
 FROM: POINT A (BEARING 009.79 TO FORPE)  
 TO: POINT B (BEARING 099.79 TO FORPE)  
 MINIMUM ALTITUDE: 11900

**AIRPORTS SERVED:**

PHOENIX SKY HARBOR INTL, PHOENIX, AZ  
 PHOENIX-MESA GATEWAY, MESA, AZ  
 CHANDLER MUNI, CHANDLER, AZ  
 PHOENIX GOODYEAR, GOODYEAR, AZ

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:**



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**REMARKS:**

KPHX RWYS 7L/R, 8 CLIMB GRADIENT AND CLIMB TO ALTITUDE IS OBSTACLE DRIVEN.  
KPHX RWYS 25L/R, 26 CLIMB GRADIENTS ARE FOR DME/DME COVERAGE AND LNAV ENGAGEMENT AND NON-GPS EQUIPPED AIRCRAFT.

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.

**COORDINATED WITH:**

Apr 13, 2016

ALPA, AOPA, ATA, NBAA, ZAB, PHOENIX DEP CON, KPHX ATCT, WFPT.

**CHANGES:**

1. PHOENIX GOODYEAR (KGYR) RWY 3/21 INITIAL CLIMB HEADINGS CHANGED FROM 026 AND 225 TO 028 AND 228.
2. PHOENIX GOODYEAR (KGYR) TAKEOFF OBSTACLE NOTES UPDATED.
3. PHOENIX-MESA GATEWAY PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS RWY 12L/C/R CHANGED FROM STANDARD TO STANDARD WITH A MINIMUM CLIMB OF 250 FT/NM TO 3100.
4. CHANDLER (KCHD) TAKEOFF OBSTACLE NOTES UPDATED.

**REASONS:**

1. AIRPORT (KGYR) MAGNETIC VARIATION ROTATION FROM E13 TO E10.
2. RWY CONSTRUCTION MOVED RWY 300 FT SOUTH.
3. TO MATCH PUBLISHED DVA MINIMUMS.
4. TO MATCH CURRENT PUBLISHED NOTES.



### DEPARTURE (DATA RECORD)

| DP Name            | Number                  | DP Computer Code | Superseded Number | Dated     | Effective Date |           |          |       |                                |
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| LALUZ RNAV         | FOUR                    | LALUZ4.LALUZ     | THREE             | 6/25/2015 | 21 JUL 2016    |           |          |       |                                |
| FIX/NAVAID         | LAT/LONG                | C                | FO/FB             | LEG TYPE  | TC             | DIST (NM) | ALTITUDE | SPEED | REMARKS                        |
| <b>RW07L (AER)</b> | 332551.81N/1120137.56W  | N                | -                 | -         | -              | -         |          |       |                                |
| 1640 MSL           |                         | -                | -                 | VA        | 090.04         | -         |          |       | CG 500 FT/NM TO 1640           |
| SPRKY              | 332609.01N/1115327.82W  | Y                | FO                | DF        | -              | -         |          |       | CG 240 FT/NM TO 9000.          |
| FORPE              | 334114.24N/1111606.35W  | Y                | FB                | DF        | -              | 034.66    |          |       |                                |
| <b>RW07R (AER)</b> | 332543.89N/1120137.57W  | N                | -                 | -         | -              | -         |          |       |                                |
| 1640 MSL           |                         | -                | -                 | VA        | 090.03         | -         |          |       | CG 500 FT/NM TO 1640           |
| SPRKY              | 332609.01N/1115327.82W  | Y                | FO                | DF        | -              | -         |          |       | CG 240 FT/NM TO 9000.          |
| FORPE              | 334114.24N/1111606.35W  | Y                | FB                | DF        | -              | 034.66    |          |       |                                |
| <b>RW08 (AER)*</b> | 332627.09N/1120136.66W* | N                | -                 | -         | -              | -         |          |       | *DISPL THLD (898 FEET)         |
| 1640 MSL           |                         | -                | -                 | VA        | 090.06         | -         |          |       | CG 500 FT/NM TO 1640           |
| SPRKY              | 332609.01N/1115327.82W  | Y                | FO                | DF        | -              | -         |          |       | CG 240 FT/NM TO 9000.          |
| FORPE              | 334114.24N/1111606.35W  | Y                | FB                | DF        | -              | 034.66    |          |       |                                |
| <b>RW25L (AER)</b> | 332543.84N/1120005.54W  | N                | -                 | -         | -              | -         |          |       |                                |
|                    | 332543.96N/1120415.46W  | -                | -                 | VI        | 270.05         | 3.49      |          |       | CG 500 FT/NM TO 2140           |
| TWSND              | 333144.74N/1121022.80W  | Y                | FB                | CF        | 319.50         | 7.89      |          |       | RECOMMENDED NAVAID: PXR VORTAC |
| OXYGN              | 333656.05N/1121015.16W  | Y                | FB                | TF        | 001.18         | 5.18      |          |       |                                |
| ZILUB              | 334458.32N/1120001.23W  | Y                | FB                | TF        | 046.74         | 11.72     |          |       |                                |
| FORPE              | 334114.24N/1111606.35W  | Y                | FB                | TF        | 095.61         | 36.82     |          |       |                                |
| <b>RW25R (AER)</b> | 332551.73N/1115936.05W  | N                | -                 | -         | -              | -         |          |       |                                |
|                    | 332551.89N/1120423.52W  | -                | -                 | VI        | 270.06         | 4.01      |          |       | CG 500 FT/NM TO 2140           |
| TWSND              | 333144.74N/1121022.80W  | Y                | FB                | CF        | 319.50         | 7.72      |          |       | RECOMMENDED NAVAID: PXR VORTAC |
| OXYGN              | 333656.05N/1121015.16W  | Y                | FB                | TF        | 001.18         | 5.18      |          |       |                                |
| ZILUB              | 334458.32N/1120001.23W  | Y                | FB                | TF        | 046.74         | 11.72     |          |       |                                |
| FORPE              | 334114.24N/1111606.35W  | Y                | FB                | TF        | 095.61         | 36.82     |          |       |                                |



## DEPARTURE (DATA RECORD)

| DP Name    | Number                 | DP Computer Code | Superseded Number | Dated     | Effective Date |           |          |       |                                |
|------------|------------------------|------------------|-------------------|-----------|----------------|-----------|----------|-------|--------------------------------|
| LALUZ RNAV | FOUR                   | LALUZ4.LALUZ     | THREE             | 6/25/2015 | 21 JUL 2016    |           |          |       |                                |
| FIX/NAVAID | LAT/LONG               | C                | FO/FB             | LEG TYPE  | TC             | DIST (NM) | ALTITUDE | SPEED | REMARKS                        |
| RW26 (AER) | 332626.96N/1115931.69W | N                | -                 | -         | -              | -         |          |       |                                |
|            | 332627.29N/1120459.51W | -                | -                 | VI        | 270.08         | 4.57      |          |       | CG 500 FT/NM TO 2140           |
| TWSND      | 333144.74N/1121022.80W | Y                | FB                | CF        | 319.50         | 6.95      |          |       | RECOMMENDED NAVAID: PXR VORTAC |
| OXYGN      | 333656.05N/1121015.16W | Y                | FB                | TF        | 001.18         | 5.18      |          |       |                                |
| ZILUB      | 334458.32N/1120001.23W | Y                | FB                | TF        | 046.74         | 11.72     |          |       |                                |
| FORPE      | 334114.24N/1111606.35W | Y                | FB                | TF        | 095.61         | 36.82     |          |       |                                |
| FORPE      | 334114.24N/1111606.35W | Y                | -                 | IF        | -              | -         |          |       |                                |
| LALUZ      | 340328.89N/1101301.33W | Y                | FB                | TF        | 066.79         | 57.03     |          |       |                                |
| LALUZ      | 340328.89N/1101301.33W | Y                | -                 | IF        | -              | -         |          |       | LALUZ4.ABQ                     |
| SJN VORTAC | 342526.55N/1090836.71W | Y                | FB                | TF        | 067.38         | 57.72     |          |       |                                |
| ABQ VORTAC | 350237.66N/1064858.72W | Y                | FB                | TF        | 071.46         | 120.92    |          |       |                                |
| LALUZ      | 340328.89N/1101301.33W | Y                | -                 | IF        | -              | -         |          |       | LALUZ4.MAXXO                   |
| SJN VORTAC | 342526.55N/1090836.71W | Y                | FB                | TF        | 067.38         | 57.72     |          |       |                                |
| JSSUA      | 342303.42N/1080043.42W | Y                | FB                | TF        | 092.11         | 56.22     |          |       |                                |
| MAXXO      | 342338.32N/1064147.78W | Y                | FB                | TF        | 089.12         | 65.32     |          |       |                                |
| LALUZ      | 340328.89N/1101301.33W | Y                | -                 | IF        | -              | -         |          |       | LALUZ4.SJN                     |
| SJN VORTAC | 342526.55N/1090836.71W | Y                | FB                | TF        | 067.38         | 57.72     |          |       |                                |