

**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SUPERSEDED NUMBER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>
SNOBL	SIX	SNOBL6.SNOBL	FIVE	11/10/2016	
<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 QUAKY, THEN ON TRACK 342.77 TO SNOBL, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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 QUAKY, THEN ON TRACK 342.77 TO SNOBL, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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 QUAKY, THEN ON TRACK 342.77 TO SNOBL, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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 QUAKY, THEN ON TRACK 342.77 TO SNOBL, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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 QUAKY, THEN ON TRACK 342.77 TO SNOBL, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED 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 QUAKY, THEN ON TRACK 342.77 TO SNOBL, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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>
CARTL	SNOBL6.CARTL	SNOBL	CARTL	TRACK 342.78	20.08	FL180	9300	QUALITY 3 CHECKED
GRAND CANYON	SNOBL6.GCN	SNOBL	CARTL	TRACK 342.78	20.08	FL180	9300	

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SNOBL		SIX	SNOBL6.SNOBL	FIVE		11/10/2016	
	CARTL	LOFTS	TRACK 342.70	35.95	FL180	11500	
	LOFTS	RIMMM	TRACK 343.35	10.19	FL180	11500	
	RIMMM	GCN VOR/DME	TRACK 342.42	25.80	FL180	9500	
JARPA	SNOBL6.JARPA	SNOBL	CARTL	TRACK 342.78	20.08	FL180	9300
	CARTL	JARPA	TRACK 050.04	122.88	FL180	10700	
RIMMM	SNOBL6.RIMMM	SNOBL	CARTL	TRACK 342.78	20.08	FL180	9300
	CARTL	LOFTS	TRACK 342.70	35.95	FL180	11500	
	LOFTS	RIMMM	TRACK 343.35	10.19	FL180	11500	
YOOPR	SNOBL6.YOOPR	SNOBL	CARTL	TRACK 342.78	20.08	FL180	9300
	CARTL	YOOPR	TRACK 042.93	94.08	FL180	10700	

**PROCEDURAL DATA NOTES:**

NOTE: RNAV 1.  
NOTE: TURBOJETS AND TURBOPROPS ONLY.  
NOTE: RADAR REQUIRED.  
NOTE: GPS REQUIRED.  
NOTE: JARPA TRANSITION ATC ASSIGNED ONLY.  
NOTE: YOOPR TRANSITION ATC ASSIGNED ONLY.  
NOTE: CARTL TRANSITION FOR FLG OR PGA TERMINAL ARRIVALS ONLY.  
NOTE: AIRCRAFT DEPARTING KGEU AND KGYR ATC ASSIGNED ONLY.  
KSDL NOTE: RWY 21: DO NOT EXCEED 210K UNTIL ESTABLISHED ON ASSIGNED HEADING.

**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.



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SNOBL	SIX	SNOBL6.SNOBL	FIVE	11/10/2016	

RWY 30L/C/R: STANDARD.

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:**

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

**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-MESA GATEWAY:  
RWY 12L/C/R: 2649 FT MSL AAO 331107.95N/1113745.04W

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KSDL 12E EPOCH YR: 1990.  
DME/DME/IRU ASSESSMENT: SAT (RNP 2.0)  
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.  
CHART: MEA/MOCA FROM QUAKY TO SNOBL 14600/8100

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
PHOENIX-MEA GATEWAY (KIWA)	PHOENIX	AZ
CHANDLER MUNI (KCHD)	CHANDLER	AZ
PHOENIX GOODYEAR (KGYR)	GOODYEAR	AZ
SCOTTSDALE (KSDL)	SCOTTSDALE	AZ
PHOENIX DEER VALLEY (KDVT)	PHOENIX	AZ
GLENDALE MUNI (KGEU)	GLENDALE	AZ

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SNOBL	SIX	SNOBL6.SNOBL	FIVE	11/10/2016	

**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  
SCOTTSDALE: ATIS, CLNC DEL, GND CON, SDL ATCT, PHOENIX DEP CON

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

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 11/13/2014.  
KDVT: ATC WILL ASSIGN HEADING 320 OR AS ASSIGNED IN ACCORDANCE WITH DVA DATED 6/30/2014.  
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.  
MOCAS WITH MEA OF FL180 AND ABOVE PUBLISHED PER ATC REQUEST.

**FLIGHT INSPECTED BY:**

FLIGHT INSPECTION REVIEW NOT REQUIRED – PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017

**OFFICE SYMBOL:**

AJW-333

**DATE:**

05/06/2016

*Digitally signed by*

**ROBERT G HAMILTON**

Mar 26, 2018

**DEVELOPED BY:**

DUSTIN DAVIDSON

*Digitally signed by*

**DUSTIN DAVIDSON**

Mar 01, 2018

**OFFICE SYMBOL:**

AJV-5422

**DATE:**

02/21/2018

**APPROVED BY:**

JULIE MORGAN

*Digitally signed by*

**ROBERT G HAMILTON**

Mar 26, 2018

**OFFICE SYMBOL:**

AJV-5420

**DATE:**

**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. REMOVED ALL REFERENCES TO KPHX FROM SID - REPLACED BY QUAKY SID FOR KPHX.
2. ADDED "MAINTAIN ATC ASSIGNED ALTITUDE" TO DP ROUTE DESCRIPTION FOR KCHD, KDVT, KGEU, KGYR, KIWA, KSDL - TOP ALTITUDE ASSIGNED BY ATC.
3. ADDED KSDL AS REFERENCE MAGVAR IN ADDITIONAL FLIGHT DATA - ATC REQUEST DUE TO KPHX REMOVAL FROM SID.
4. ADDED "KSDL NOTE: RWY 21: DO NOT EXCEED 210K UNTIL ESTABLISHED ON ASSIGNED HEADING" TO PROCEDURAL DATA NOTES - IAW DVA FOR KSDL.
5. REMOVED TAKEOFF DATA NOTES AND REPLACED WITH "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)" - CURRENT CRITERIA MEMO #259.
6. REMOVED PILOT NAVIGATION AREA - COVERED BY DVA.

QUALITY  
3  
CHECKED

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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
SNOBL							SIX	SNOBL6.SNOBL	FIVE	11/10/2016	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
QUAKY	340527.51N/1115608.08W	Y	-	IF	-	-					
SNOBL	342550.94N/1115823.17W	Y	FB	TF	354.77	20.44					
SNOBL	342550.94N/1115823.17W	Y	-	IF	-	-			SNOBL6.CARTL		
CARTL	344552.98N/1120036.29W	Y	FB	TF	354.78	20.08					
SNOBL	342550.94N/1115823.17W	Y	-	IF	-	-			SNOBL6.GCN		
CARTL	344552.98N/1120036.29W	Y	FB	TF	354.78	20.08					
LOFTS	352143.99N/1120439.65W	Y	FB	TF	354.70	35.95					
RIMMM	353154.24N/1120540.39W	Y	FB	TF	355.35	10.19					
GCN VOR/DME	355737.22N/1120845.77W	Y	FB	TF	354.42	25.80					
SNOBL	342550.94N/1115823.17W	Y	-	IF	-	-			SNOBL6.JARPA		
CARTL	344552.98N/1120036.29W	Y	FB	TF	354.78	20.08					
JARPA	354222.46N/1094719.99W	Y	FB	TF	062.04	122.88					
SNOBL	342550.94N/1115823.17W	Y	-	IF	-	-			SNOBL6.RIMMM		
CARTL	344552.98N/1120036.29W	Y	FB	TF	354.78	20.08					
LOFTS	352143.99N/1120439.65W	Y	FB	TF	354.70	35.95					
RIMMM	353154.24N/1120540.39W	Y	FB	TF	355.35	10.19					
SNOBL	342550.94N/1115823.17W	Y	-	IF	-	-			SNOBL6.YOOPR		

QUALITY

3

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QUALITY  
3  
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SNOBL							SIX	SNOBL6.SNOBL	FIVE	11/10/2016	
<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>		
CARTL	344552.98N/1120036.29W	Y	FB	TF	354.78	20.08					
YOOPR	353924.72N/1102606.72W	Y	FB	TF	054.93	94.08					

QUALITY  
3  
CHECKED