

This is a corrected copy of the procedure previously published in NFDD 062.

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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
BNYRD	SIX	BNYRD6.BNYRD	FIVE	11/10/2016	24MAY2018

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:

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 BNYRD, THEN ON TRACK 144.55 TO TFD VORTAC, 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 BNYRD, THEN ON TRACK 144.55 TO TFD VORTAC, THEN ON (TRANSITION), MAINTAIN ATC ASSIGNED ALTITUDE, 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 BNYRD, THEN ON TRACK 144.55 TO TFD VORTAC, 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 BNYRD, THEN ON TRACK 144.55 TO TFD VORTAC, 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 BNYRD, THEN ON TRACK 144.55 TO TFD VORTAC, 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 BNYRD, THEN ON TRACK 144.55 TO TFD VORTAC, THEN ON (TRANSITION), MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):



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<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>
TUSCON	BNYRD6.TUS	TFD VORTAC	TUS VORTAC	TRACK 120.92	69.18	FL180	6800	

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.
NOTE: TURBOJETS AND TURBOPROPS ONLY.
NOTE: RADAR REQUIRED.
NOTE: GPS REQUIRED.
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.

GLENDAL 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.

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:



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ADDITIONAL FLIGHT DATA:

REFERENCE MAGVAR: 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 BNYRD TO TFD VORTAC 10000/3600.

AIRPORTS SERVED:

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

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

FIXES AND/OR NAVAIDS:



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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 AN MEA OF FL180 AND ABOVE PUBLISHED PER ATC REQUEST.

FLIGHT INSPECTED BY: _____ **OFFICE SYMBOL:** _____ **DATE:** _____ *Digitally signed by*
 FLIGHT INSPECTION REVIEW NOT REQUIRED -- PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017 AJW-333 05/06/2016 **ROBERT G HAMILTON**
 Apr 16, 2018

DEVELOPED BY: _____ **OFFICE SYMBOL:** _____ **DATE:** _____ *Digitally signed by*
 DUSTIN DAVIDSON _____ **DUSTIN DAVIDSON** AJV-5422 02/21/2018
 Apr 16, 2018

APPROVED BY: _____ **OFFICE SYMBOL:** _____ **DATE:** _____ *Digitally signed by*
 JULIE MORGAN _____ AJV-5420 **ROBERT G HAMILTON**
 Apr 16, 2018

REQUIRED EFFECTIVE DATE:
 ROUTINE

COORDINATED WITH:

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

OTHER:
 ZAB, PHX DEP CON, PHX ATCT, AMGR

CHANGES - REASONS:
 1. REMOVED ALL REFERENCES TO KPHX FROM SID - REPLACED BY STRRM 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 OBSTACLE 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.

04/16/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/26/18.
 1. CHANGED ADDITIONAL FLIGHT DATA FROM "CHART: MEA/MOCA FROM BNYRD TO STRRM 10000/3600" TO "CHART: MEA/MOCA FROM BNYRD TO TFD VORTAC 10000/3600".



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>
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<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>
BNYRD	325953.24N/1115759.15W	Y	-	IF	-	-			
TFD VORTAC	325309.08N/1115431.44W	Y	FB	TF	156.55	7.33			
TFD VORTAC	325309.08N/1115431.44W	Y	-	IF	-	-			BNYRD6.TUS
TUS VORTAC	320542.73N/1105453.48W	Y	FB	TF	132.92	69.18			

