

**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.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
FYRBD	ONE	FYRBD1.FYRBD	NONE		24MAY2018

<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:

TAKEOFF RWY 7L: CLIMB HEADING 078.04 TO 1635, 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 220 KIAS, THEN ON TRACK 264.34 TO OAKLI, THEN ON TRACK 221.88 TO FYRBD, THENCE...

TAKEOFF RWY 7R: CLIMB HEADING 078.03 TO 1635, 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 220 KIAS, THEN ON TRACK 264.34 TO OAKLI, THEN ON TRACK 221.88 TO FYRBD, THENCE...

TAKEOFF RWY 8: CLIMB HEADING 078.06 TO 1635, 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 220 KIAS, THEN ON TRACK 264.34 TO OAKLI, THEN ON TRACK 221.88 TO FYRBD, THENCE...

TAKEOFF RWY 25L: CLIMB HEADING 258.05 TO INTERCEPT COURSE 240.00 TO JUTAK, THEN ON TRACK 151.44 TO WETAL, THEN ON TRACK 220.63 TO FYRBD, THENCE...

TAKEOFF RWY 25R: CLIMB HEADING 258.06 TO INTERCEPT COURSE 240.00 TO JUTAK, THEN ON TRACK 151.44 TO WETAL, THEN ON TRACK 220.63 TO FYRBD, THENCE...

TAKEOFF RWY 26: CLIMB HEADING 258.08 TO 1635, THEN LEFT TURN DIRECT JUTAK, THEN ON TRACK 151.44 TO WETAL, THEN ON TRACK 220.63 TO FYRBD, THENCE ...

...ON TRACK 248.99 TO JUDTH, THEN ON (TRANSITION). MAINTAIN 8000, EXPECT HIGHER 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	FYRBD1.MOHAK	JUDTH	MOHAK	TRACK 248.45	14.55	FL180		

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.

NOTE: TURBOJETS AND TURBOPROPS ONLY.

NOTE: RADAR REQUIRED.

NOTE: DME/DME/IRU OR GPS REQUIRED.

TAKEOFF MINIMUMS:

RWY 7L/7R, 8: STANDARD.

RWY 25L/R, 26: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1635, THEN MINIMUM CLIMB OF 260 FT/NM TO 5400.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 25L/R, 26: 4319 FT MSL AAO 331346.10N/1121305.14W.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KPHX 12E EPOCH YR: 2000

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

CHART SPEED ICON MAXIMUM SPEED 220 KIAS AT MASVE.

CHART: TOP ALTITUDE: 8000.

CHART: MEA/MOCA FROM FYRBD TO JUDTH FL180/4200.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
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QUALITY
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GRAPHIC DEPARTURE PROCEDURES (DP)**

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FYRBD	ONE	FYRBD1.FYRBD	NONE		24MAY2018
PHOENIX SKY HARBOR INTL (KPHX)			PHOENIX		AZ

COMMUNICATIONS:

PHOENIX SKY HARBOR INTL: ATIS, CLNC DEL, GND CON, PHX ATCT, PHOENIX DEP CON

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

RWYS 25L/R, 26 CLIMB GRADIENT AND CLIMB TO ALTITUDE IS OBSTACLE DRIVEN.

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.

STANDARD CLIMB GRADIENT USED FOR RWYS 7L/R, 8 TO ALLOW FOR LOWEST POSSIBLE ALTITUDE AT MASVE FOR MITRE WIND VALUES TO ACCOUNT FOR PRIOR MINIMUM SEGMENT LENGTHS AT AZCRD AND USEYE.

MOCAS FL180 AND ABOVE PUBLISHED PER ATC REQUEST.

FLIGHT INSPECTED BY:*Digitally signed by*

SCOTT A THOMPSON

ROBERT G HAMILTON

Mar 27, 2018

OFFICE SYMBOL:**DATE:**

FICO

3/1/18

DEVELOPED BY:*Digitally signed by*

DUSTIN DAVIDSON

DUSTIN DAVIDSON

Mar 12, 2018

OFFICE SYMBOL:**DATE:**

AJV-5422

01/03/2018

APPROVED BY:*Digitally signed by*

JULIE MORGAN

ROBERT G HAMILTON

Mar 27, 2018

OFFICE SYMBOL:**DATE:**

AJV-5420

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZAB, PHOENIX APP CON, KPHX ATCT, WFPT

CHANGES - REASONS:

ATC REQUEST - REPLACES JUDTH SID.

02/22/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/03/18.

1. REMOVED ALL REFERENCES TO CHANDLER MUNI (KCHD), PHOENIX DEER VALLEY (KDDT), GLENDALE MUNI (KGEU), PHOENIX GOODYEAR (KGYR), PHOENIX-MESA GATEWAY (KIWA), AND SCOTTSDALE (KSDL) FROM SID. UPDATED FORMS NOW ONLY APPLY TO KPHX. SATELLITE AIRPORTS REMOVED.

2. REMOVED "KPHX" IDENTIFIER FROM PROCEDURAL NOTES. UPDATED FORMS NOW ONLY APPLY TO KPHX. SATELLITE AIRPORTS REMOVED.

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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
FYRBD							ONE	FYRBD1.FYRBD	NONE		24MAY2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW07L (AER)	332551.81N/1120137.56W	N	-	-	-	-					
1635 MSL	-	-	-	VA	090.04	-					
FUTEP	332605.74N/1115222.24W	Y	FB	DF	-	-					
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					
FYRBD	325723.32N/1124026.12W	Y	FB	TF	233.88	41.22					
RW07R (AER)	332543.89N/1120137.57W	N	-	-	-	-					
1635 MSL	-	-	-	VA	090.03	-					
FUTEP	332605.74N/1115222.24W	Y	FB	DF	-	-					
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					
FYRBD	325723.32N/1124026.12W	Y	FB	TF	233.88	41.22					
RW08 (AER)*	332627.09N/1120136.66W*	N	-	-	-	-			*DISPL THLD (898 FT)		
1635 MSL	-	-	-	VA	090.06	-					
FUTEP	332605.74N/1115222.24W	Y	FB	DF	-	-					
AZCRD	332339.19N/1115015.49W	Y	FB	TF	144.04	3.01					

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FYRBD							ONE	FYRBD1.FYRBD	NONE		24MAY2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)		ALTITUDE	SPEED		REMARKS
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					
FYRBD	325723.32N/1124026.12W	Y	FB	TF	233.88	41.22					
RW25L (AER)	332543.84N/1120005.54W	N	-	-	-	-					
-	332543.93N/1120323.32W	-	-	VI	270.05	2.76					CG 500 FT PER NM TO 1635, THEN CG 260 FT PER NM TO 5400
JUTAK	332332.28N/1121127.51W	Y	FB	CF	252.00	7.10					RECOMMENDED NAVAID: PXR VORTAC
WETAL	331729.26N/1120918.99W	Y	FO	TF	163.44	6.30					
FYRBD	325723.32N/1124026.12W	Y	FB	TF	232.63	32.95					
RW25R (AER)	332551.73N/1115936.05W	N	-	-	-	-					
-	332551.84N/1120254.15W	-	-	VI	270.06	2.76					CG 500 FT PER NM TO 1635, THEN CG 260 FT PER NM TO 5400
JUTAK	332332.28N/1121127.51W	Y	FB	CF	252.00	7.53					RECOMMENDED NAVAID: PXR VORTAC
WETAL	331729.26N/1120918.99W	Y	FO	TF	163.44	6.30					
FYRBD	325723.32N/1124026.12W	Y	FB	TF	232.63	32.95					
RW26 (AER)	332626.96N/1115931.69W	N	-	-	-	-					
1635 MSL	-	-	-	VA	270.08	-					CG 500 FT PER NM TO 1635, THEN CG 260 FT PER NM TO 5400
JUTAK	332332.28N/1121127.51W	Y	FB	DF	-	-					LEFT TURN
WETAL	331729.26N/1120918.99W	Y	FO	TF	163.44	6.30					
FYRBD	325723.32N/1124026.12W	Y	FB	TF	232.63	32.95					

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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>
FYRBD		ONE		FYRBD1.FYRBD		NONE			24MAY2018
<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>
FYRBD	325723.32N/1124026.12W	Y	-	IF	-	-			
JUDTH	324859.41N/1134118.22W	Y	FB	TF	260.99	51.94			
JUDTH	324859.41N/1134118.22W	Y	-	IF	-	-			FYRBD1.MOHAK
MOHAK	324633.04N/1135819.55W	Y	FB	TF	260.45	14.55			

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