

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
KEENS	THREE	KEENS3.KEENS	TWO	05/24/2018	25 JAN 24
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 7L: CLIMB ON HEADING 078.04 TO 1635, THEN DIRECT FUTEF, 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 268.10 TO KEENS, THENCE...

TAKEOFF RWY 7R: CLIMB ON HEADING 078.03 TO 1635, THEN DIRECT FUTEF, 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 268.10 TO KEENS, THENCE...

TAKEOFF RWY 8: CLIMB ON HEADING 078.06 TO 1635, THEN DIRECT FUTEF, 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 268.10 TO KEENS, THENCE...

TAKEOFF RWY 25L: CLIMB ON HEADING 258.05 TO INTERCEPT COURSE 239.95 TO WULKO, THEN ON TRACK 268.11 TO KEENS, THENCE...

TAKEOFF RWY 25R: CLIMB ON HEADING 258.05 TO INTERCEPT COURSE 239.95 TO WULKO, THEN ON TRACK 268.11 TO KEENS, THENCE...

TAKEOFF RWY 26: CLIMB ON HEADING 258.08 TO 1635, THEN LEFT TURN DIRECT WULKO, THEN ON TRACK 268.11 TO KEENS, THENCE...

...ON TRACK 258.95 TO IZZO, 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>
BLYTHE	KEENS3.BLH	IZZO	SALOM	TRACK 262.28	54.77	FL180	5400	
		SALOM	BLH VORTAC	TRACK 264.48	44.00	FL180	5800	
HRRBR	KEENS3.HRRBR	IZZO	CULTS	TRACK 270.64	36.53	16500	5700	
		CULTS	HRRBR	TRACK 270.61	18.17	FL180	5100	
WLVRN	KEENS3.WLVRN	IZZO	WLVRN	TRACK 280.75	54.39	FL180	6200	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS REQUIRED.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

PROCEDURAL DATA NOTES:

NOTE: TURBOJETS AND TURBOPROPS ONLY.

NOTE: AIRCRAFT REQUESTING FL220 AND BELOW MUST FILE BLYTHE TRANSITION.

NOTE: TURBOJETS LANDING LAX, FILE WLVRN TRANSITION.

NOTE: AIRCRAFT LANDING OTHER THAN LAX AND TURBOPROPS LANDING AT LAX: REQUESTING FL240 AND ABOVE, FILE HRRBR TRANSITION.



TAKEOFF MINIMUMS:
RWY 7L/7R/8: STANDARD.
RWYS 25 L/R, 26: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1635.

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

CONTROLLING OBSTACLES:

MSA:
MSA FROM KPHX, 6100.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
AIRPORT MV: PHX 12E/2000
CHART: TOP ALTITUDE: 8000.
CHART SPEED ICON IN PLANVIEW AT MASVE: MAX 220 KIAS.
DME/DME ASSESSMENT: SAT (RNP 2.0)
CHART: MEA/MOCA FROM KEENS TO IZZZO, 9200/4300.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KPHX	PHOENIX	AZ

COMMUNICATIONS:
ATIS, CLNC DEL, GND CON, PHX ATCT

FIXES AND/OR NAVAIDS:

REMARKS:
ABBREVIATED AMENDMENT.
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 7/7R, 8 TO ALLOW FOR LOWEST POSSIBLE ALTITUDE AT MASVE FOR MITRE WIND VALUES TO ACCOUNT FOR PRIOR MINIMUM SEGMENT LENGTHS AT AZCRD AND USEYE.

FLIGHT INSPECTED BY	SIGNATURE	<i>Digitally signed by</i> RAKE MCGRAW Dec 05, 2023	OFFICE FPO	DATE 11/29/2023	
DEVELOPED BY	SIGNATURE		OFFICE	DATE	
NEERAJ VERMA	<i>Digitally signed by</i> NEERAJ VERMA Oct 10, 2023		AJVA-422	08/31/2023	
APPROVED BY	SIGNATURE	<i>Digitally signed by</i> RAKE MCGRAW Dec 05, 2023	OFFICE AJV-A42	DATE 01/25/2024	TITLE MANAGER
RAKE MCGRAW					

REQUIRED EFFECTIVE DATE
ROUTINE



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
KEENS	THREE	KEENS3.KEENS	TWO	05/24/2018	25 JAN 24

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAB, PHOENIX DEP CON, KPHX ATCT, WFPT

CHANGES - REASONS:

1. DP COMPUTER CODE CHANGED FROM KEENS2 TO KEENS3 - IAW 8260.46J.
2. DP ROUTE DESCRIPTION ALL RUNWAYS CHANGED VERBIAGE FROM "CLIMB HEADING" TO "CLIMB ON HEADING" - IAW 8260.46J.
3. ADDED MOCAS FOR ALL TRANSITION SEGMENTS EXCEPT IZZO TO CULTS - PER CURRENT EVALUATION AND IAW 8260.46J.
4. COMBINED NOTE FROM "RNAV 1 AND DME/DME/IRU OR GPS REQUIRED" TO "RNAV 1 - DME/DME/IRU OR GPS REQUIRED" AND MOVED NOTE FROM PROCEDURAL DATA NOTES TO PBN REQUIREMENTS NOTES - PER NEW 8260-15B REPORT FORM AND IAW 8260.46J APPENDIX E. 2G AND 8260.46J 2-1-1F(6).
5. CHANGED PROCEDURAL DATA NOTE FROM "TURBOJETS LANDING LAX, FILE MESSI TRANSITION" TO "TURBOJETS LANDING LAX, FILE JERRD TRANSITION." - PER ATC REQUEST TO CHANGE FIX MESSI TO JERRD
6. RADAR REQUIRED NOTE MOVED FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES. - IAW 8260.46J.
7. MSA ADDED "MSA FROM KPHX, 6100." - IAW 8260.46J.
8. COMMUNICATIONS REMOVED "PHOENIX DEP CON" - IAW 8260.46J, DEP CON IS CHARTED AUTOMATICALLY.
9. ADDITIONAL FLIGHT DATA CHANGED MAGVAR NOTE VERBIAGE FROM "REFERENCE MAG VAR: KPHX 12E EPOCH YR: 2000" TO "AIRPORT MV: PHX 12E/2000." - IAW 8260.46J.
10. ADDITIONAL FLIGHT DATA UPDATED SPEED NOTE VERBIAGE FROM "CHART SPEED ICON MAXIMUM SPEED 220 KIAS AT MASVE." TO "CHART SPEED ICON IN PLANVIEW AT MASVE: MAX 220 KIAS." - IAW 8260.46J.
11. ADDED REMARK "ABBREVIATED AMENDMENT." - IAW 8260.46J.

11/30/23: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/31/23.

1. CHANGED ALL REFERENCES ON 8260-15B AND 8260-15C FROM JERRD TO WLVRN.

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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
KEENS				THREE		KEENS3.KEENS		TWO		05/24/2018		25 JAN 24	
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	-	AT/ABOVE 1635						
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							
KEENS	332700.50N/1123603.13W	Y	FB	TF	280.10	29.90							
RW07R (AER)	332543.89N/1120137.57W	N	-	-	-	-							
1635 MSL	-	-	-	VA	090.03	-	AT/ABOVE 1635						
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							
KEENS	332700.50N/1123603.13W	Y	FB	TF	280.10	29.90							
RW08 (AER)*	332627.09N/1120136.66W*	N	-	-	-	-			*DISPL THLD (898 FT)				
1635 MSL	-	-	-	VA	090.06	-	AT/ABOVE 1635						
FUTEP	332605.74N/1115222.24W	Y	FB	DF	-	-							
AZCRD	332339.19N/1115015.49W	Y	FB	TF	144.04	3.01			QUALITY				

QUALITY
20
CHECKED

DP NAME		NUMBER					DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
KEENS		THREE					KEENS3.KEENS		TWO		05/24/2018		25 JAN 24	
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								
KEENS	332700.50N/1123603.13W	Y	FB	TF	280.10	29.90								
RW25L (AER)	332543.84N/1120005.54W	N	-	-	-	-								
-	332543.93N/1120322.33W	-	-	VI	270.05	2.74			CG 500 FT PER NM TO 1635					
WULKO	332325.64N/1121149.48W	Y	FB	CF	251.95	7.44								
KEENS	332700.50N/1123603.13W	Y	FB	TF	280.11	20.59								
RW25R (AER)	332551.73N/1115936.05W	N	-	-	-	-								
-	332551.84N/1120253.24W	-	-	VI	270.06	2.75			CG 500 FT PER NM TO 1635					
WULKO	332325.64N/1121149.48W	Y	FB	CF	251.95	7.87								
KEENS	332700.50N/1123603.13W	Y	FB	TF	280.11	20.59								
RW26 (AER)	332626.96N/1115931.69W	N	-	-	-	-								
1635 MSL	-	-	-	VA	270.08	-	AT/ABOVE 1635		CG 500 FT PER NM TO 1635					
WULKO	332325.64N/1121149.48W	Y	FB	DF	-	-			LEFT TURN					
KEENS	332700.50N/1123603.13W	Y	FB	TF	280.11	20.59								
KEENS	332700.50N/1123603.13W	Y	-	IF	-	-								
IZZZO	332709.93N/1124800.15W	Y	FB	TF	270.95	10.00								
QUALITY 20														

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
KEENS		THREE		KEENS3.KEENS		TWO		05/24/2018	25 JAN 24
<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>
IZZO	332709.93N/1124800.15W	Y	-	IF	-	-			KEENS3.BLH
SALOM	333058.25N/1135319.93W	Y	FB	TF	274.28	54.77			
BLH VORTAC	333545.83N/1144540.58W	Y	FB	TF	276.48	44.00			
IZZO	332709.93N/1124800.15W	Y	-	IF	-	-			KEENS3.HRRBR
CULTS	333503.16N/1133040.17W	Y	FB	TF	282.64	36.53			
HRRBR	333859.76N/1135154.73W	Y	FB	TF	282.61	18.17			
IZZO	332709.93N/1124800.15W	Y	-	IF	-	-			KEENS3.WLVRN
WLVRN	334759.38N/1134811.37W	Y	FB	TF	292.75	54.39			