

**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SUPERSEDED NUMBER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> |
|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| ZEPER          | TWO           | ZEPER2.ZEPER            | ONE                      | 05/24/2018   | <b>21 MAY 20</b>             |

| <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/R, 8:** CLIMB ON HEADING 078.04 TO 1635, THEN DIRECT SPRKY, THEN TURN LEFT DIRECT TO CROSS GOALY AT OR BELOW 9000, THEN ON TRACK 339.48 TO JOLAR, THEN ON TRACK 294.27 TO ZEPER, THENCE ...

**TAKEOFF RWY 25L:** CLIMB ON HEADING 258.05 TO 1635, THEN DIRECT ZOLUP, THEN ON TRACK 260.00 TO YOVKU, THEN ON TRACK 348.72/5.78 TO CROSS ZIDOG AT OR ABOVE 5000 AND AT OR BELOW 230K, THEN ON TRACK 343.76 TO FANON, THEN ON TRACK 332.94 TO ZEPER, THENCE ...

**TAKEOFF RWY 25R:** CLIMB ON HEADING 258.06 TO 1635, THEN DIRECT JINOL, THEN ON TRACK 260.00 TO OSGUE, THEN ON TRACK 348.69/5.65 TO CROSS ZIDOG AT OR ABOVE 5000 AND AT OR BELOW 230K, THEN ON TRACK 343.76 TO FANON, THEN ON TRACK 332.94 TO ZEPER, THENCE ...

**TAKEOFF RWY 26:** CLIMB ON HEADING 258.08 TO 1635, THEN DIRECT WIVLA, THEN ON TRACK 260.00 TO HIRVU, THEN ON TRACK 348.54/5.06 TO CROSS ZIDOG AT OR ABOVE 5000 AND AT OR BELOW 230K, THEN ON TRACK 343.76 TO FANON, THEN ON TRACK 332.94 TO ZEPER, THENCE ...

... ON RRSTA TRANSITION. MAINTAIN 8000, EXPECT HIGHER ALTITUDE 3 MINUTES AFTER DEPARTURE.

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

| <u>TRANSITION NAME</u> | <u>TRANSITION<br/>COMPUTER CODE</u> | <u>FROM<br/>FIX/NAVAID</u> | <u>TO<br/>FIX/NAVAID</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>MEA</u> | <u>MOCA</u> | <u>CROSSING<br/>ALTITUDE/FIXES</u> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
| RRSTA                  | ZEPER2.RRSTA                        | ZEPER                      | MAYSA                    | TRACK 308.14  | 42.20           | FL190      |             |                                    |
|                        |                                     | MAYSA                      | RRSTA                    | TRACK 307.83  | 14.52           | FL190      |             |                                    |

**PROCEDURAL DATA NOTES:**

NOTE: RNAV 1.

NOTE: TURBOJETS AND TURBOPORPS ONLY.

NOTE: RADAR REQUIRED.

NOTE: DME/DME IRU OR GPS REQUIRED.

**TAKEOFF MINIMUMS:**

**RWYS 7L/R, 8:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1635, THEN MINIMUM CLIMB OF 240 FT PER NM TO 5300.

**RWYS 25L/R, 26:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1635.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

RWY 7L/7R, 8: 4163 FT MSL TOWER 333839.72N/1114843.82W.

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

REFERENCE MAG VAR: KPHX 12E EPOCH YR 2000.

DME DME ASSESSMENT: SAT.

CHART MEA FROM ZEPER TO RRSTA FL190.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT ZIDOG.



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|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| ZEPER          | TWO           | ZEPER2.ZEPER            | ONE                      | 05/24/2018   | <b>21 MAY 20</b>             |

CHART: TOP ALTITUDE: 8000

AIRPORTS SERVED:

| <u>AIRPORT NAME</u>     | <u>AIRPORT ID</u> | <u>CITY</u> | <u>STATE</u> |
|-------------------------|-------------------|-------------|--------------|
| PHOENIX SKY HARBOR INTL | KPHX              | PHOENIX     | AZ           |

COMMUNICATIONS:

D-ATIS, CLNC DEL, CPDLC, GND CON (NORTH), GND CON (SOUTH), TWR (RWY 8-26), TWR (RWYS 7L-25R, 7R-25L), DEP CON

FIXES AND/OR NAVAIDS:REMARKS:

TAKEOFF MINIMUMS CARRIED OVER FROM ZEPER ONE SID.

MEA'S ABOVE FL180 NEEDED TO MITIGATE CRITICAL DME'S INSURING ADEQUATE SIGNAL COVERAGE FOR DME/DME/IRU NAVIGATION.

FLIGHT INSPECTED BY

JAMES HAWLEY

*Digitally signed by***DAVID TEFFETELLER**

Feb 20, 2020

OFFICE

FICO

DATE

2/18/2020

DEVELOPED BY

JAMES LAFFERTY

*Digitally signed by***JAMES LAFFERTY**

Jan 27, 2020

OFFICE

AJV-A433

DATE

01/06/2020

APPROVED BY

GEORGE DAVIS

*Digitally signed by***DAVID TEFFETELLER**

Feb 20, 2020

OFFICE

AJV-A430

DATETITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:A4A ☒ALPA ☒AOPA ☒APA ☐HAI ☐NBAA ☒OTHER: ZAB, PHOENIX DEP CON, KPHX ATCT, WFPTCHANGES - REASONS:

1. DELETED SISIE AND JK POT ENROUTE TRANSITIONS AND REPLACED BOTH WITH RRSTA TRANSITION - REQUESTED BY ATC TO FACILITATE CONNECTIONS TO LAS VEGAS AND LOS ANGELES BASIN ARRIVALS, AND NORTHWEST BOUND ENROUTE TRAFFIC.
2. DELETED NOTES REFERENCING SISIE AND JK POT TRANSITIONS - NO LONGER REQUIRED.
3. DELETED FIX GOLDR AND REPLACED WITH JOLAR - SIMILIAR SOUNDING FIX NAMES.
4. DELETED CRITICAL DME'S FROM PROCEDURE - NO LONGER REQUIRED DUE TO USE OF ADDITIONAL ESV'S.
5. CHANGED ALL ROUTE DESCRIPTIONS FROM "CLIMB HEADING..." TO "CLIMB ON HEADING..." - 8260.46G, PARA 1-5-1A(3).
6. CHANGE RWY'S 7L/R, 8 CONTROLLING OBSTACLE FROM "4151 FT MSL TOWER 333839.20N/1114842.70W" TO "4163 FT MSL TOWER 333839.72N/1114843.82W" - UPDATED OBSTACLE DATA BASE.

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

| DP NAME           |                         | NUMBER |       | DP COMPUTER CODE |        | SUPERSEDED NUMBER |               | DATED      |                                                         | ACTUAL EFFECTIVE DATE |  |
|-------------------|-------------------------|--------|-------|------------------|--------|-------------------|---------------|------------|---------------------------------------------------------|-----------------------|--|
| ZEPER             |                         | TWO    |       | ZEPER2.ZEPER     |        | ONE               |               | 05/24/2018 |                                                         | 21 MAY 20             |  |
| FIX/NAVAID        | LAT/LONG                | C      | FO/FB | LEG TYPE         | TC     | DIST (NM)         | ALTITUDE      | SPEED      | REMARKS                                                 |                       |  |
| RW07L (AER)       | 332551.81N/1120137.57W  | N      | -     | -                | -      | -                 |               |            |                                                         |                       |  |
| AT/ABOVE 1635 MSL | -                       | -      | -     | VA               | 090.04 |                   |               |            | CG 500 FT PER NM TO 1635, THEN CG 240 FT PER NM TO 5300 |                       |  |
| SPRKY             | 332609.01N/1115327.82W  | Y      | FO    | DF               | -      | -                 |               |            | LEFT TURN                                               |                       |  |
| GOALY             | 333905.62N/1115011.78W  | Y      | FB    | DF               | -      | 13.20             | AT/BELOW 9000 |            | LEFT TURN                                               |                       |  |
| JOLAR             | 334400.53N/1115105.11W  | Y      | FB    | TF               | 351.41 | 4.96              |               |            |                                                         |                       |  |
| ZEPER             | 340139.27N/1122003.66W  | Y      | FB    | TF               | 306.27 | 29.87             |               |            |                                                         |                       |  |
|                   |                         |        |       |                  |        |                   |               |            |                                                         |                       |  |
| RW07R (AER)       | 332543.89N/1120137.57W  | N      | -     | -                | -      | -                 |               |            |                                                         |                       |  |
| AT/ABOVE 1635 MSL | -                       | -      | -     | VA               | 090.03 | -                 |               |            | CG 500 FT PER NM TO 1635, THEN CG 240 FT PER NM TO 5300 |                       |  |
| SPRKY             | 332609.01N/1115327.82W  | Y      | FO    | DF               | -      | -                 |               |            | LEFT TURN                                               |                       |  |
| GOALY             | 333905.62N/1115011.78W  | Y      | FB    | DF               | -      | 13.20             | AT/BELOW 9000 |            | LEFT TURN                                               |                       |  |
| JOLAR             | 334400.53N/1115105.11W  | Y      | FB    | TF               | 351.41 | 4.96              |               |            |                                                         |                       |  |
| ZEPER             | 340139.27N/1122003.66W  | Y      | FB    | TF               | 306.27 | 29.87             |               |            |                                                         |                       |  |
|                   |                         |        |       |                  |        |                   |               |            |                                                         |                       |  |
| RW08 (AER)*       | 332627.09N/1120136.66W* | N      | -     | -                | -      | -                 |               |            | *DISPL THLD (898.0 FT)                                  |                       |  |
| AT/ABOVE 1635 MSL | -                       | -      | -     | VA               | 090.06 |                   |               |            | CG 500 FT PER NM TO 1635, THEN CG 240 FT PER NM TO 5300 |                       |  |
| SPRKY             | 332609.01N/1115327.82W  | Y      | FO    | DF               | -      | -                 |               |            | LEFT TURN                                               |                       |  |
| GOALY             | 333905.62N/1115011.78W  | Y      | FB    | DF               | -      | 13.20             | AT/BELOW 9000 |            | LEFT TURN                                               |                       |  |
| JOLAR             | 334400.53N/1115105.11W  | Y      | FB    | TF               | 351.41 | 4.96              |               |            |                                                         |                       |  |
| ZEPER             | 340139.27N/1122003.66W  | Y      | FB    | TF               | 306.27 | 29.87             |               |            |                                                         |                       |  |
|                   |                         |        |       |                  |        |                   |               |            |                                                         |                       |  |
| RW25L (AER)       | 332543.84N/1120005.54W  | N      | -     | -                | -      | -                 |               |            | QUALITY<br>3                                            |                       |  |

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| DP NAME           |                        |   |       | NUMBER   |        | DP COMPUTER CODE |                          | SUPERSEDED NUMBER |         | DATED      |  | ACTUAL EFFECTIVE DATE |  |
|-------------------|------------------------|---|-------|----------|--------|------------------|--------------------------|-------------------|---------|------------|--|-----------------------|--|
| ZEPER             |                        |   |       | TWO      |        | ZEPER2.ZEPER     |                          | ONE               |         | 05/24/2018 |  | 21 MAY 20             |  |
| FIX/NAVAID        | LAT/LONG               | C | FO/FB | LEG TYPE | TC     | DIST (NM)        | ALTITUDE                 | SPEED             | REMARKS |            |  |                       |  |
| AT/ABOVE 1635 MSL | -                      | - | -     | VA       | 270.05 | -                | CG 500 FT PER NM TO 1635 |                   |         |            |  |                       |  |
| ZOLUP             | 332546.01N/1120404.36W | Y | FB    | DF       | -      | -                |                          |                   |         |            |  |                       |  |
| YOVKU             | 332559.42N/1121150.63W | Y | FB    | TF       | 272.00 | 6.51             |                          |                   |         |            |  |                       |  |
| ZIDOG             | 333146.64N/1121145.39W | Y | FB    | TF       | 000.72 | 5.78             | AT/ABOVE 5000            | AT/BELOW 230K     |         |            |  |                       |  |
| FANON             | 333732.50N/1121216.04W | Y | FB    | TF       | 355.76 | 5.77             |                          |                   |         |            |  |                       |  |
| ZEPER             | 340139.27N/1122003.66W | Y | FB    | TF       | 344.94 | 24.93            |                          |                   |         |            |  |                       |  |
|                   |                        |   |       |          |        |                  |                          |                   |         |            |  |                       |  |
| RW25R (AER)       | 332551.73N/1115936.04W | N | -     | -        | -      | -                |                          |                   |         |            |  |                       |  |
| AT/ABOVE 1635 MSL | -                      | - | -     | VA       | 270.05 | -                | CG 500 FT PER NM TO 1635 |                   |         |            |  |                       |  |
| JINOL             | 332553.93N/1120404.47W | Y | FB    | DF       | -      | -                |                          |                   |         |            |  |                       |  |
| OSGUE             | 332607.33N/1121150.30W | Y | FB    | TF       | 272.00 | 6.50             |                          |                   |         |            |  |                       |  |
| ZIDOG             | 333146.64N/1121145.39W | Y | FB    | TF       | 000.69 | 5.65             | AT/ABOVE 5000            | AT/BELOW 230K     |         |            |  |                       |  |
| FANON             | 333732.50N/1121216.04W | Y | FB    | TF       | 355.76 | 5.77             |                          |                   |         |            |  |                       |  |
| ZEPER             | 340139.27N/1122003.66W | Y | FB    | TF       | 344.94 | 24.93            |                          |                   |         |            |  |                       |  |
|                   |                        |   |       |          |        |                  |                          |                   |         |            |  |                       |  |
| RW26 (AER)        | 332626.96N/1115931.69W | N | -     | -        | -      | -                |                          |                   |         |            |  |                       |  |
| AT/ABOVE 1635 MSL | -                      | - | -     | VA       | 270.08 | -                | CG 500 FT PER NM TO 1635 |                   |         |            |  |                       |  |
| WIVLA             | 332629.25N/1120414.05W | Y | FB    | DF       | -      | -                |                          |                   |         |            |  |                       |  |
| HIRVU             | 332642.33N/1121148.84W | Y | FB    | TF       | 272.00 | 6.35             |                          |                   |         |            |  |                       |  |
| ZIDOG             | 333146.64N/1121145.39W | Y | FB    | TF       | 000.54 | 5.06             | AT/ABOVE 5000            | AT/BELOW 230K     |         |            |  |                       |  |
| FANON             | 333732.50N/1121216.04W | Y | FB    | TF       | 355.76 | 5.77             |                          |                   |         |            |  |                       |  |
| ZEPER             | 340139.27N/1122003.66W | Y | FB    | TF       | 344.94 | 24.93            |                          |                   |         |            |  |                       |  |
|                   |                        |   |       |          |        |                  |                          |                   |         |            |  |                       |  |
| TRANSITIONS       |                        |   |       |          |        |                  |                          |                   |         |            |  |                       |  |

QUALITY

3

CHECKED

QUALITY  
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| <u>DP NAME</u>    |                        | <u>NUMBER</u> |              | <u>DP COMPUTER CODE</u> |           | <u>SUPERSEDED NUMBER</u> |                 | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|------------------------------|
| ZEPER             |                        | TWO           |              | ZEPER2.ZEPER            |           | ONE                      |                 | 05/24/2018   | <b>21 MAY 20</b>             |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u>        | <u>C</u>      | <u>FO/FB</u> | <u>LEG<br/>TYPE</u>     | <u>TC</u> | <u>DIST<br/>(NM)</u>     | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u>               |
| ZEPER             | 340139.27N/1122003.66W | Y             | -            | IF                      | -         | -                        |                 |              | ZEPER2.RRSTA                 |
| MAYSA             | 343401.77N/1125248.46W | Y             | FB           | TF                      | 320.14    | 42.20                    |                 |              |                              |
| RRSTA             | 344508.27N/1130410.57W | Y             | FO           | TF                      | 319.83    | 14.52                    |                 |              |                              |

