

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION  
GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINGY	ONE	MINGY1.MINGY	NONE		26 MAY 2016

**TYPE:** RNAV OBSTACLE

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 14:** CLIMB HEADING 144.57 TO 4100, THEN CLIMBING LEFT TURN DIRECT MINGY, THENCE...  
**TAKEOFF RWY 32:** CLIMB HEADING 324.57 TO 4100, THEN CLIMBING RIGHT TURN DIRECT MINGY, THENCE...  
 ...CONTINUE CLIMB IN MINGY HOLDING PATTERN (HOLD SOUTH, RIGHT TURNS, 344.98 INBOUND) TO CROSS MINGY AT OR ABOVE 10000 BEFORE PROCEEDING ON COURSE.

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

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

NOTE: RNAV-1  
 NOTE: GPS REQUIRED  
**RWY 14:** 300-1 ½ OR STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 3900.  
**RWY 32:** STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 6000.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 14:** UTILITY 11 FEET FROM DER, 113 FEET LEFT OF CENTERLINE, 5 FEET AGL/3563 FEET MSL. VEHICLES ON ROAD BEGINNING 14 FEET FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 15 FEET AGL/3588 FEET MSL. TREE 157 FEET FROM DER, 82 FEET RIGHT OF CENTERLINE, 11 FEET AGL/3572 FEET MSL. TREES BEGINNING 172 FEET FROM DER, 80 FEET RIGHT OF CENTERLINE, UP TO 17 FEET AGL/3588 FEET MSL. TREES AND BUILDING BEGINNING 184 FEET FROM DER, 138 FEET LEFT OF CENTERLINE, UP TO 32 FEET AGL/3581 FEET MSL. TREES BEGINNING 272 FEET FROM DER, 81 FEET RIGHT OF CENTERLINE, UP TO 12 FEET AGL/3592 FEET MSL. BUILDINGS BEGINNING 377 FEET FROM DER, 287 FEET LEFT OF CENTERLINE, UP TO 32 FEET AGL/3578 FEET MSL. TREES BEGINNING 403 FEET FROM DER, 73 FEET RIGHT OF CENTERLINE, UP TO 23 FEET AGL/3596 FEET MSL. TREES AND FENCES BEGINNING 538 FEET FROM DER, 150 FEET RIGHT OF CENTERLINE, UP TO 20 FEET AGL/3600 FEET MSL. TREES, BUILDINGS AND TANK BEGINNING 995 FEET FROM DER, 307 FEET RIGHT OF CENTERLINE, UP TO 20 FEET AGL/3618 FEET MSL. TREES AND BUILDINGS BEGINNING 1277 FEET FROM DER, 6 FEET RIGHT OF CENTERLINE, UP TO 54 FEET AGL/3631 FEET MSL. TREE 1791 FEET FROM DER, 105 FEET LEFT OF CENTERLINE, 42 FEET AGL/3605 FEET MSL. TREES BEGINNING 1807 FEET FROM DER, 8 FEET RIGHT OF CENTERLINE, UP TO 59 FEET AGL/3638 FEET MSL. TREES BEGINNING 2636 FEET FROM DER, 689 FEET RIGHT OF CENTERLINE, UP TO 65 FEET AGL/3645 FEET MSL. TREES BEGINNING 3296 FEET FROM DER, 1298 FEET RIGHT OF CENTERLINE, UP TO 75 FEET AGL/3770 FEET MSL. TREE 1.3 NM FROM DER, 2071 FEET RIGHT OF CENTERLINE, 39 FEET AGL/3759 FEET MSL.  
**NOTE: RWY 32:** UTILITY BOX 10 FEET FROM DER, 75 FEET RIGHT OF CENTERLINE, 4 FEET AGL/3522 FEET MSL. BUILDINGS AND FENCE BEGINNING 37 FEET FROM DER, 167 FEET LEFT OF CENTERLINE, UP TO 17 FEET AGL/3543 FEET MSL. TREE 54 FEET FROM DER, 501 FEET RIGHT OF CENTERLINE, 39 FEET AGL/3544 FEET MSL. TREES, POLE AND BUILDING BEGINNING 74 FEET FROM DER, 253 FEET RIGHT OF CENTERLINE, UP TO 46 FEET AGL/3551 FEET MSL. TOWER, POLES, TREES, FENCES AND VEHICLES ON ROAD BEGINNING 128 FEET FROM DER, 168 FEET LEFT OF CENTERLINE, UP TO 67 FEET AGL/3597 FEET MSL.

**CONTROLLING OBSTACLES:**

**RWY 14:** 3770 FEET MSL TREE 344211.74N/1120142.45W (CLIMB GRADIENT), (CLIMB-TO ALTITUDE), (CEILING). 3759 FEET MSL TREE 344210.85N/1120140.19W (VISIBILITY).  
**RWY 32:** 4287 FEET MSL AAO 344706.50N/1120401.88W (CLIMB GRADIENT), 5479 MSL AAO 345242.80N/1120101.67W (CLIMB-TO ALTITUDE).  
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 14, 32 – 8745 FEET MSL TOWER 345806.07N/1113031.54W.



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**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KP52 11E EPOCH YR: 2015  
DME/DME ASSESSMENT: NOT CONDUCTED  
CHART: HOLDING PATTERN AT MINGY, HOLD S, RT, 344.98 INBOUND, 7 NM LEG LENGTH.

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**AIRPORTS SERVED:**

COTTONWOOD

COTTONWOOD, AZ

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**COMMUNICATIONS:**

ASOS, CTAF, PHX DEP CON, ZAB DEP CON

**FIXES AND/OR NAVAIDS:**

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MINGY	ONE	MINGY1.MINGY	NONE		26 MAY 2016

**REMARKS:**

**FLIGHT INSPECTED BY:**

GARY J VEER

*Digitally signed by*  
**ALLAN WILL**  
Mar 03, 2016

FICO

02/25/2016

**REQUIRED EFFECTIVE DATE:**

CONCURRENT WITH AIRSPACE DOCKET  
12-AWP-11.

**DEVELOPED BY:**

HERMAN C ROGERS

AJV-5433

*Digitally signed by*  
**HERMAN C ROGERS**  
Dec 22, 2015

11/17/2015

**APPROVED BY:**

LONNIE EVERHART

*Digitally signed by*  
**ALLAN WILL**  
Mar 03, 2016

AJV-5430

**COORDINATED WITH:**

ALPA, AOPA, NBAA, ARPT AMGR, PHX DEP CON, ZAB DEP CON

**CHANGES:**

**REASONS:**

## DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
<b>MINGY</b>		<b>ONE</b>	<b>MINGY1.MINGY</b>				<b>NONE</b>		26 MAY 2016

  

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW14 (AER)	344407.34N/1120217.02W	N	-	-	-	-			
4100 MSL	-	-	-	VA	155.57	-			CG 225 FT PER NM TO 3900
MINGY	343258.05N/1114459.42W	Y	FO	DF	-	-	AT/ABOVE 10000		LEFT TURN
RW32 (AER)	344329.05N/1120155.96W	N	-	-	-	-			
4100 MSL	-	-	-	VA	335.57	-			CG 310 FT PER NM TO 6000
MINGY	343258.05N/1114459.42W	Y	FO	DF	-	-	AT/ABOVE 10000		RIGHT TURN