

**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SUPERSEDED NUMBER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>
RDHWK	THREE	RDHWK3.RDHWK	TWO	05/26/2016	07 DEC 2017

<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:

WILL ROGERS WORLD (KOKC)

TAKEOFF RWY 13: CLIMB HEADING 131.06 TO 1800, THEN RIGHT TURN HEADING 176.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 17L/17R: CLIMB HEADING 175.96 TO 1800, THEN HEADING 176.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 18: CLIMB HEADING 175.97 TO 1800, THEN HEADING 176.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 31: CLIMB HEADING 311.07 TO 1800, THEN RIGHT TURN HEADING 011.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 35L/35R: CLIMB HEADING 355.96 TO 1800, THEN RIGHT TURN HEADING 011.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 36: CLIMB HEADING 355.97 TO 1800, THEN RIGHT TURN HEADING 011.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...

...ON TRACK 100.26 TO RDHWK, THEN ON (TRANSITION). MAINTAIN 5000 OR AS ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

WILEY POST (KPWA)

TAKEOFF RWY 13: CLIMB HEADING 130.95 TO 1800, THEN RIGHT TURN HEADING 201.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 17L: CLIMB ON HEADING 175.99 TO 1800, THEN RIGHT TURN HEADING 201.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 17R: CLIMB ON HEADING 176.00 TO 1800, THEN RIGHT TURN HEADING 201.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 31: CLIMB ON HEADING 310.95 TO 1800, THEN RIGHT TURN HEADING 011.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 35L: CLIMB ON HEADING 356.00 TO 1800, THEN HEADING 011.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 35R: CLIMB ON HEADING 355.99 TO 1800, THEN RIGHT TURN HEADING 011.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...

UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)

TAKEOFF RWY 3: CLIMB ON HEADING 032.21 TO 1700, THEN LEFT TURN HEADING 356.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 18: CLIMB ON HEADING 175.66 TO 1700, THEN HEADING 176.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 21: CLIMB ON HEADING 212.22 TO 1700, THEN LEFT TURN HEADING 176.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...
TAKEOFF RWY 36: CLIMB ON HEADING 355.66 TO 1700, THEN HEADING 356.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO OHYOU, THENCE...

...ON TRACK 100.26 TO RDHWK, THEN ON (TRANSITION). MAINTAIN 3000 OR AS ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 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>
HOLLE	RDHWK3.HOLLE	RDHWK	HOLLE	TRACK 100.30	20.72	8000	2600	

PROCEDURAL DATA NOTES:

- NOTE: RADAR REQUIRED.
- NOTE: DME/DME/IRU OR GPS REQUIRED.
- NOTE: RNAV 1.

TAKEOFF MINIMUMS:

WILL ROGERS WORLD (KOKC)
RWY 13, 17L, 17R, 18, 31, 35L, 35R, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1800.



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RDHWK	THREE	RDHWK3.RDHWK	TWO	05/26/2016	07 DEC 2017

WILEY POST (KPWA)
RWY 13, 17L, 17R, 31, 35L, 35R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 2100.

UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)
RWY 3, 18, 21, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1700.

**TAKEOFF OBSTACLES NOTES:
WILL ROGERS WORLD (KOKC)**

NOTE: RWY 35L, POST 48 FT FROM DER, 495 FT LEFT OF CENTERLINE, 8 FT AGL/1287 FT MSL.
NOTE: RWY 36, OBSTRUCTION LIGHT ON WINDSOCK 674 FT FROM DER, 152 FT LEFT OF CENTERLINE, 25 FT AGL/1295 FT MSL.

WILEY POST (KPWA)

NOTE: RWY 13, HANGAR 467 FT FROM DER, 466 FT LEFT OF CENTERLINE, 19 FT AGL/1316 FT MSL. HANGAR 1349 FT FROM DER, 602 FT RIGHT OF CENTERLINE, 35 FT AGL/1334 FT MSL.
NOTE: RWY 17L, TREES BEGINNING 1292 FT FROM DER, 371 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/1348 FT MSL. TANK 4592 FT FROM DER, 1222 FT LEFT OF CENTERLINE, 148 FT AGL/1478 FT MSL. TANK 1.0 NM FROM DER, 1387 FT LEFT OF CENTERLINE, 144 FT AGL/1467 FT MSL.
NOTE: RWY 17R, POLE 344 FT FROM DER, 422 FT LEFT OF CENTERLINE, 20 FT AGL/1305 FT MSL.
NOTE: RWY 35L, TREES BEGINNING 143 FT FROM DER, 516 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/1321 FT MSL. SPIRE 2441 FT FROM DER, 901 FT LEFT OF CENTERLINE, 86 FT AGL/1366 FT MSL.

UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)

NOTE: RWY 3, TOWER AND ELEVATORS BEGINNING 1451 FT FROM DER, 359 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/1236 FT MSL.
NOTE: RWY 18, TREE 97 FT FROM DER, 449 FT RIGHT OF CENTERLINE, 32 FT AGL/1208 FT MSL.
NOTE: RWY 21, TREE 162 FT FROM DER, 461 FT RIGHT OF CENTERLINE, 25 FT AGL/1201 FT MSL. TREES BEGINNING 874 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/1208 FT MSL. TREES BEGINNING 1211 FT FROM DER, 463 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/1210 FT MSL. LIGHT POLE 1243 FT FROM DER, 745 FT RIGHT OF CENTERLINE, 32 FT AGL/1213 FT MSL.
NOTE: RWY 36, POLES BEGINNING 700 FT FROM DER, 518 FT RIGHT OF CENTERLINE, UP TO 44 FT AGL/1215 FT MSL.

**CONTROLLING OBSTACLES:
WILEY POST (KPWA)**

RWY 17L: 1467 FT MSL TANK 353027.00N/0973827.00W, 1478 FT MSL TANK 353043.00N/0973829.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KOKC 4E EPOCH YR: 2020.
DME/DME ASSESSMENT: SAT (RNP 2.0)
CHART: MEA/MOCA FROM OHYOU TO RDHWK, 4500/2600.
ALL AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC.
PILOT NAVIGATION AREA:
7NM ARC CENTERED ON OHYOU (IF), CW
FROM:POINT A (BEARING 055 DEGREES TO OHYOU)
TO: POINT B (BEARING 145 DEGREES TO OHYOU)
MINIMUM ALTITUDE - 4500

AIRPORTS SERVED:

AIRPORT NAME

CITY

STATE



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RDHWK	THREE	RDHWK3.RDHWK	TWO	05/26/2016	07 DEC 2017
WILL ROGERS WORLD		OKLAHOMA CITY		OK	
WILEY POST		OKLAHOMA CITY		OK	
UNIVERSITY OF OKLAHOMA WESTHEIMER		NORMAN		OK	

COMMUNICATIONS:

ATIS: OKC, PWA. AWOS/ASOS: OUN. CLNC DEL: OKC. GND CON: OKC, PWA, OUN. TWR: OKC, PWA, OUN. DEP CON: OKC, PWA, OUN.

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT DOES NOT MEET PERIODIC REVIEW REQUIREMENTS.

FLIGHT INSPECTED BY: *Digitally signed by*
JAMES M. MEEK **DONALD H LANIER**
Sep 25, 2017

OFFICE SYMBOL: **DATE:**
FICO 04/06/2016

DEVELOPED BY: *Digitally signed by*
LIAM DONAHUE **LIAM DONAHUE**
Jun 14, 2017

OFFICE SYMBOL: **DATE:**
AJV-5431 05/05/2017

APPROVED BY: *Digitally signed by*
PATRICK MULQUEEN **DONALD H LANIER**
Sep 25, 2017

OFFICE SYMBOL: **DATE:**
AJV-5430

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

OTHER:

ZFW ARTCC, OKE CITY APP CON, OKC ATCT, PWA ATCT, OUN ATCT, AMGR: OKC, PWA, OUN.

CHANGES - REASONS:

- ADDED 1 DEGREE TO ALL KOKC AND TRANSITION COURSES AND HEADINGS - KOKC AIRPORT MAGVAR CHANGING FROM 5E (2010) TO 4E (2020).
- CHANGED REFERENCE MAG VAR FROM 5E TO 4E IN ADDITIONAL FLIGHT DATA.- KOKC AIRPORT MAGVAR CHANGING FROM 5E (2010) TO 4E (2020).
- ADDED A4A TO COORDINATION BLOCK .- AIRPORT SERVED BY SCHEDULED AIR CARRIERS.
- ADDED REMARK: ABBREVIATED AMENDMENT DOES NOT MEET PERIODIC REVIEW REQUIREMENTS.- 8260.46F, APPENDIX D, PARAGRAPH 14.

09/20/17: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/04/17.

- ADDED 1 DEGREE TO KOUN AND KPWA VM HEADINGS IN DP ROUTE DESCRIPTION.



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RDHWK	THREE	RDHWK3.RDHWK	TWO	05/26/2016	07 DEC 2017

<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>
WILL ROGERS WORLD (KOKC)									
RW13 (AER)	352416.59N/0973657.27W	N	-	-	-	-			
1800 MSL		-	-	VA	135.06	-			CG 500 FT/NM TO 1800
		-	-	VM	180.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW17L (AER)	352418.58N/0973520.21W	N	-	-	-	-			
1800 MSL		-	-	VA	179.96	-			CG 500 FT/NM TO 1800
		-	-	VM	180.00	-			
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW17R (AER)	352421.42N/0973620.62W	N	-	-	-	-			
1800 MSL		-	-	VA	179.96	-			CG 500 FT/NM TO 1800
		-	-	VM	180.00	-			
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW18 (AER)	352336.76N/0973627.82W	N	-	-	-	-			
1800 MSL		-	-	VA	179.97	-			CG 500 FT/NM TO 1800
		-	-	VM	180.00	-			
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			



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RDHWK		THREE	RDHWK3.RDHWK	TWO	05/26/2016	07 DEC 2017			
<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>
RW31 (AER)	352321.98N/0973550.73W	N	-	-	-	-			
1800 MSL		-	-	VA	315.07	-			CG 500 FT/NM TO 1800
		-	-	VM	015.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW35L (AER)	352244.49N/0973620.53W	N	-	-	-	-			
1800 MSL		-	-	VA	359.96	-			CG 500 FT/NM TO 1800
		-	-	VM	015.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW35R	352241.63N/0973520.13W	N	-	-	-	-			
1800 MSL		-	-	VA	359.96	-			CG 500 FT/NM TO 1800
		-	-	VM	015.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW36 (AER)	352306.31N/0973627.80W	N	-	-	-	-			
1800 MSL		-	-	VA	359.97	-			CG 500 FT/NM TO 1800
		-	-	VM	015.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	TF	-	-			
WILEY POST (KPWA)									
RW13 (AER)	353206.36N/0973907.90W	N	-	-	-	-			



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RDHWK	THREE	RDHWK3.RDHWK	TWO	05/26/2016	07 DEC 2017				
<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>
1800 MSL		-	-	VA	134.95	-			CG 500 FT/NM TO 2100
		-	-	VM	205.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	TF	-	-			
RW17L (AER)	353239.61N/0973843.81W	N	-	-	-	-			
1800 MSL		-	-	VA	179.99	-			CG 500 FT/NM TO 2100
		-	-	VM	205.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	TF	-	-			
RW17R (AER)	353235.86N/0973857.10W	N	-	-	-	-			
1800		-	-	VA	180.00	-			CG 500 FT/NM TO 2100
		-	-	VM	205.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	TF	-	-			
RW31 (AER)	353136.92N/0973831.82W	N	-	-	-	-			
1800 MSL		-	-	VA	314.95	-			CG 500 FT/NM TO 2100
		-	-	VM	015.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	TF	--	-			
RW35L (AER)	353146.40N/0973857.10W	N	-	-	-	-			
1800 MSL		-	-	VA	360.00	-			CG 500 FT/NM TO 2100



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RDHWK	THREE	RDHWK3.RDHWK	TWO	05/26/2016	07 DEC 2017				
<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>
		-	-	VM	015.00	-			
OHYOU	350702.82N/0965721.14W	Y	FB	TF	-	-			
RW35R (AER)*	353131.93N/0973843.79W*	N	-	-	-	-			*DISPL THLD (355 FT)
1800 MSL		-	-	VA	359.99	-			CG 500 FT/NM TO 2100
		-	-	VM	015.00	-			RIGHT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	TF	-	-			
UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)									
RW03 (AER)	351410.37N/0972832.88W	N	-	-	-	-			
1700 MSL		-	-	VA	036.21	-			CG 500 FT/NM TO 1700
		-	-	VM	360.00	-			LEFT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW18 (AER)	351523.18N/0972823.21W	N	-	-	-	-			
1700 MSL		-	-	VA	179.66	-			CG 500 FT/NM TO 1700
		-	-	VM	180.00	-			
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW21 (AER)	351448.26N/0972759.06W	N	-	-	-	-			
1700 MSL		-	-	VA	216.22	-			CG 500 FT/NM TO 1700

QUALITY
4
CHECKED

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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>
		-	-	VM	180.00	-			LEFT TURN
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
RW36 (AER)	351431.77N/0972822.84W	N	-	-	-	-			
1700 MSL		-	-	VA	359.66	-			CG 500 FT/NM TO 1700
		-	-	VM	360.00	-			
OHYOU	350702.82N/0965721.14W	Y	FB	DF	-	-			
OHYOU	350702.82N/0965721.14W	Y	-	IF	-	-			
RDHWK	350603.45N/0965237.32W	Y	FB	TF	104.26	4.00			
RDHWK	350603.45N/0965237.32W	Y	-	IF	-	-			RDHWK3.HOLLE
HOLLE	350053.39N/0962811.03W	Y	FB	TF	104.30	20.72			

