

**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SUPERSEDED NUMBER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>
NANDR	THREE	NANDR3.NANDR	TWO	04/20/2023	17 APR 2025
<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 type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:**50F:****TAKEOFF RWY 17:** CLIMB ON HEADING 165.44 OR AS ASSIGNED BY ATC, THENCE ...**KADS:****TAKEOFF RWY 16:** CLIMB ON HEADING 156.77 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 34:** CLIMB ON HEADING 336.77 OR AS ASSIGNED BY ATC, THENCE ...**KAFW:****TAKEOFF RWY 16L:** CLIMB ON HEADING 166.21 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 16R:** CLIMB ON HEADING 166.21 TO 1100 BEFORE TURNING RIGHT OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 34L:** CLIMB ON HEADING 346.21 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 34R:** CLIMB ON HEADING 346.21 OR AS ASSIGNED BY ATC, THENCE ...**KCPT:****TAKEOFF RWY 15:** CLIMB ON HEADING 153.20 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 33:** CLIMB ON HEADING 333.20 OR AS ASSIGNED BY ATC, THENCE ...**KDTO:****TAKEOFF RWY 18L:** CLIMB ON HEADING 177.06 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 18R:** CLIMB ON HEADING 177.04 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 36L:** CLIMB ON HEADING 357.04 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 36R:** CLIMB ON HEADING 357.06 OR AS ASSIGNED BY ATC, THENCE ...**F46:****TAKEOFF RWY 17:** CLIMB ON HEADING 167.46 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 35:** CLIMB ON HEADING 347.45 OR AS ASSIGNED BY ATC, THENCE ...**KFTW:****TAKEOFF RWY 16:** CLIMB ON HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 17:** CLIMB ON HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 34:** CLIMB ON HEADING 343.90 OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 35:** CLIMB ON HEADING 343.90 OR AS ASSIGNED BY ATC, THENCE ...**KFWS:****TAKEOFF RWY 18R:** CLIMB ON HEADING 177.11 TO 1200 BEFORE TURNING RIGHT OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 36L:** CLIMB ON HEADING 357.11 OR AS ASSIGNED BY ATC, THENCE ...**KGKY:****TAKEOFF RWY 16:** CLIMB ON HEADING 162.02 TO 2500 BEFORE TURNING LEFT OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 34:** CLIMB ON HEADING 342.02 TO 1400 BEFORE TURNING SOUTHEAST BOUND OR AS ASSIGNED BY ATC, THENCE ...**KGPM:****TAKEOFF RWY 18:** CLIMB ON HEADING 192.34 TO 2500 BEFORE PROCEEDING ON COURSE OR AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 36:** CLIMB ON HEADING 357.34 TO 1400 BEFORE TURNING SOUTHBOUND OR AS ASSIGNED BY ATC, THENCE ...

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NANDR	THREE	NANDR3.NANDR	TWO	04/20/2023	17 APR 2025

KHQZ:**TAKEOFF RWY 18:** CLIMB ON HEADING 177.88 OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 36:** CLIMB ON HEADING 357.88 OR AS ASSIGNED BY ATC, THENCE . . .**KLNC:****TAKEOFF RWY 13:** CLIMB ON HEADING 134.31 OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 31:** CLIMB ON HEADING 314.31 TO 1800 BEFORE TURNING LEFT OR AS ASSIGNED BY ATC, THENCE . . .**KLUD:****TAKEOFF RWY 17:** CLIMB ON HEADING 169.45 TO 1700 BEFORE PROCEEDING NORTH, THENCE . . .**KNFW:****TAKEOFF RWY 18:** CLIMB ON HEADING 176.53 OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 36:** CLIMB ON HEADING 356.52 OR AS ASSIGNED BY ATC, THENCE . . .**KRBD:****TAKEOFF RWY 13:** CLIMB ON HEADING 129.08 TO 1800 BEFORE TURNING WESTBOUND OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 17:** CLIMB ON HEADING 174.13 TO 2600 BEFORE TURNING WESTBOUND OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 31:** CLIMB ON HEADING 309.09 TO 1500 BEFORE TURNING SOUTHBOUND OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 35:** CLIMB ON HEADING 354.13 TO 1400 BEFORE TURNING SOUTHBOUND OR AS ASSIGNED BY ATC, THENCE . . .**KTKI:****TAKEOFF RWY 18:** CLIMB ON HEADING 179.12 OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 36:** CLIMB ON HEADING 359.11 OR AS ASSIGNED BY ATC, THENCE . . .**KWEA:****TAKEOFF RWY 17:** CLIMB ON HEADING 175.38 OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 35:** CLIMB ON HEADING 355.37 TO 1600 BEFORE TURNING LEFT, THENCE . . .**F41:****TAKEOFF RWY 16:** CLIMB ON HEADING 158.48 OR AS ASSIGNED BY ATC, THENCE . . .**TAKEOFF RWY 34:** CLIMB ON HEADING 338.49 OR AS ASSIGNED BY ATC, THENCE . . .**KJWY:****TAKEOFF RWY 18:** CLIMB ON HEADING 177.98 TO 1700, THENCE...**TAKEOFF RWY 36:** CLIMB ON HEADING 012.98 TO 2700, THENCE...**ALL AIRPORTS:**

. . . EXPECT RADAR VECTORS TO CROSS CUZNO AT OR ABOVE 3000, THEN ON TRACK 357.12 TO CROSS NANDR AT OR BELOW 13000, THEN ON ASSIGNED TRANSITION.

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>
MC ALESTER	NANDR3.MLC	NANDR	AKUNA	TRACK 038.90	16.35	5000	2100	NANDR AT/BELOW 13000
		AKUNA	TIKYS	TRACK 025.19	41.90	5000	3800	
		TIKYS	MLC TACAN	TRACK 031.08	56.73	5000	2500	
WILL ROGERS	NANDR3.IRW	NANDR	BLECO	TRACK 341.24	12.64	5000	2700	NANDR AT/BELOW 13000

QUALITY
20
CHECKED

DP NAME		NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED		ACTUAL EFFECTIVE DATE	
NANDR		THREE	NANDR3.NANDR	TWO	04/20/2023		17 APR 2025	
		BLECO	ZEMMA	TRACK 003.04	56.20	5000	2500	
		ZEMMA	IRW VORTAC	TRACK 329.54	65.91	5000	2600	
OKMULGEE	NANDR3.OKM	NANDR	GRABE	TRACK 015.03	12.84	5000	2100	NANDR AT/BELOW 13000
		GRABE	EAKER	TRACK 015.12	54.60	5000	3700	
		EAKER	OKM VOR/DME	TRACK 021.06	90.40	5000	2400	
ROLLS	NANDR3.ROLLS	NANDR	LOWGN	TRACK 316.22	16.08	5000	2200	NANDR AT/BELOW 13000
		LOWGN	ADM VORTAC	TRACK 002.09	45.75	5000	2600	
		ADM VORTAC	MRMAC	TRACK 306.22	60.00	5000	2700	
		MRMAC	ROLLS	TRACK 305.69	85.20	5000	3400	
TULSA	NANDR3.TUL	NANDR	BLECO	TRACK 341.24	12.64	5000	2700	NANDR AT/BELOW 13000
		BLECO	ZEMMA	TRACK 003.04	56.20	5000	2500	
		ZEMMA	TUL VORTAC	TRACK 025.19	123.58	5000	2600	
EAKER	NANDR3.EAKER	NANDR	GRABE	TRACK 015.03	12.84	5000	2100	NANDR AT/BELOW 13000
		GRABE	EAKER	TRACK 015.12	54.60	5000	3700	
ZEMMA	NANDR3.ZEMMA	NANDR	BLECO	TRACK 341.24	12.64	5000	2700	NANDR AT/BELOW 13000
		BLECO	ZEMMA	TRACK 003.04	56.20	5000	2500	

PROCEDURAL DATA NOTES:**NOTE:** EAKER TRANSITION: FOR TUL TERMINAL ARRIVALS ONLY**NOTE:** TULSA TRANSITION: FOR ALL AIRCRAFT OVERFLYING TUL VORTAC**NOTE:** AIRCRAFT ARRIVING TO THE OKLAHOMA CITY TERMINAL AREA, FILE AND EXPECT THE ZEMMA ENROUTE TRANSITION.**PBN REQUIREMENTS NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

TAKEOFF MINIMUMS:

50F:

RWY 17: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 512 FT/NM TO 1300.

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KADS:
RWY 34: STANDARD
RWY 16: 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 325 FT/NM TO 1100.

KAFW:
RWY 34L, 34R: STANDARD
RWY 16L, 16R: 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1100, OR ALTERNATIVELY WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FEET PRIOR TO DER.

KCPT:
RWY 15: STANDARD
RWY 33: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 422 FT/NM TO 1200.

KDTO:
RWY 18L, 18R, 36L, 36R: STANDARD

F46:
RWY 15, 33: STANDARD

KFTW:
RWY 16, 17: STANDARD
RWY 34: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 225 FT/NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER.
RWY 35: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT/NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

KFWS:
RWY 18L, 36R: NA - ENVIRONMENTAL
RWY 18R, 36L: STANDARD

KGKY:
RWY 16, 34: STANDARD

KGPM:
RWY 18, 36: STANDARD

KHQZ:
RWY 18, 36: STANDARD

KLNC:
RWY 13: STANDARD
RWY 31: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT/NM TO 800, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

KLUD:
RWY 17: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 248 FT/NM TO 2500.

KNFW:
REFER TO APPROPRIATE MILITARY SERVICE DIRECTIVES.

KRBD:
RWY 13, 31, 35: STANDARD
RWY 17: 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1200



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NANDR	THREE	NANDR3.NANDR	TWO	04/20/2023	17 APR 2025

KTKI:
RWY 18, 36: STANDARD

KWEA:
RWY 17, 35: STANDARD

KJWY:
RWYS 18, 36: STANDARD

F41:
RWY 16, 34: STANDARD

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

CONTROLLING OBSTACLES:
50F
RWY 17: 1011 FT MSL TREES 323407.39N/0973524.72W (CLIMB GRADIENT/CLIMB-TO ALTITUDE). 1123 FT MSL TRANSMISSION TOWER 323306.16N/0973536.73W (CEILING). 1092 TRANSMISSION TOWER 323258.36N/0973539.81W (VISIBILITY)
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
RWY 17: 1275 FT MSL TOWER 323156.00N/0973623.00W.

KADS:
RWY 16: 850 FT MSL BUILDING 325629.00N/0964925.00W (CLIMB GRADIENT), 975 FT MSL BUILDING 325540.81N/0964919.57W (CLIMB-TO-ALTITUDE/CEILING), 973 FT MSL BUILDING 325536.93N/0964906.47W (VISIBILITY).

KAFW:
RWY 16L: 961 FT MSL WATER TOWER 325641.35N/0971909.88W (CLIMB GRADIENT/CLIMB-TO ALTITUDE/CEILING), 954 FT MSL TANK 325642.21N/0971909.98W (VISIBILITY).
RWY 16R: 961 FT MSL WATER TOWER 325641.35N/0971909.88W.
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 16R: 1002 FT MSL TOWER 325653.00N/0971932.00W.

KCPT:
RWY 33: 1043 FT MSL WELL DRILLING RIG 322243.27N/0972649.63W.

KFTW:
RWY 34: 970 FT MSL BUILDING 325123.18N/0972128.11W.
RWY 35: 826 FT MSL TRANSMISSION TOWER 325026.78N/0972232.32W.
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 16: 1196 FT MSL BUILDING 324522.00N/0971950.00W, 1743 FT MSL TOWER 324501.00N/0971608.00W; RWY 17: 1743 FT MSL TOWER 324501.00N/0971608.00W.

KFWS:
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 18R: 1772 FT MSL TOWER 323212.00N/0972446.86W.

KGKY:
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 16, 34: 2549 FT MSL TOWER 323502.67N/0965748.75W.

KGPM:
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 18, 36: 2549 FT MSL TOWER 323502.67N/0965748.75W.

KLNC:
RWY 31: 661 FT MSL TRANSMISSION LINE 323601.76N/0964358.15W.
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 31: 2549 FT MSL TOWER 323502.67N/0965748.75W.



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NANDR	THREE	NANDR3.NANDR	TWO	04/20/2023	17 APR 2025

KLUD:
RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W (CLIMB GRADIENT TERMINATION ALTITUDE), 1199 FT MSL TREE 331359.97N/0973413.66W (VISIBILITY), 1209 FT MSL TREE 331402.68N/0973415.79W (CLIMB GRADIENT) (CEILING).
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT : RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W.

KRBD:
RWY 17: 1024 FT MSL ANTENNA 323817.76N/0965154.08W.
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 13, 17, 31, 35 - 2549 FT MSL TOWER 32352.67N/0965748.75W.

KWEA:
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT RWY 35: 1420 FT MSL TOWER 324648.40N/0974155.16W.

KJWY
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
RWY 18: 2449 FT MSL TOWER 323235.00N/0965733.00W.
RWY 36: 2549 FT MSL TOWER 323502.67N/0965748.75W.

MSA:
MSA FROM 50F, 3600.
MSA FROM KADS, 3600.
MSA FROM KAFW, 4000.
MSA FROM KCPT, 3600.
MSA FROM KDTO, 4000.
MSA FROM F46, 2600.
MSA FROM KFTW, 3600.
MSA FROM KFWS, 3600.
MSA FROM KGKY, 3600.
MSA FROM KGPM, 3600.
MSA FROM KHQZ, 3600.
MSA FROM KLNC, 3600.
MSA FROM KLUD, 4000.
MSA FROM KNFW, 3600.
MSA FROM KRBD, 3600.
MSA FROM KTKI, 3800.
MSA FROM KWEA, 3600.
MSA FROM KJWY, 3600
MSA FROM F41, 3600

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
AIRPORT MV: ADS (P) 3E/2025, 50F 6E/2000, AFW 4E/2015, CPT 6E/2000, DTO 4E/2010, F46 5E/2000, FTW 8E/1975, FWS 3E/2025, GKY 6E/2000, GPM 3E/2025, HQZ 3E/2015, LNC 6E/1990, LUD 3E/2025, NFW 4E/2015, RBD 6E/1990, TKI 3E/2015, WEA 5E/2010, JWY 6E/1995, F41 3E/2020.
DME/DME ASSESSMENT: SAT (RNP 2.0)
ALL AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC.
CHART: MINIMUM CROSSING ALTITUDE AT CUZNO - 3000

AIRPORTS SERVED:		
AIRPORT ID	CITY	STATE
KADS	DALLAS	TX



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NANDR	THREE	NANDR3.NANDR	TWO	04/20/2023	17 APR 2025
KAFW		FORT WORTH			TX
KCPT		CLEBURNE			TX
KDTO		DENTON			TX
F46		ROCKWALL			TX
KFTW		FORT WORTH			TX
KFWS		FORT WORTH			TX
KGKY		ARLINGTON			TX
KGPM		GRAND PRAIRIE			TX
KHQZ		MESQUITE			TX
KLNC		LANCASTER			TX
KLUD		DECATUR			TX
KNFW		FORT WORTH			TX
KRBD		DALLAS			TX
KTKI		DALLAS			TX
KWEA		WEATHERFORD			TX
50F		FORT WORTH			TX
F41		ENNIS			TX
KJWY		MIDLOTHIAN/WAXAHACHIE			TX

COMMUNICATIONS:

CHART: KADS: ATIS, CLNC DEL, GND CON, ATCT
CHART: KAFW: ATIS, CLNC DEL, GND CON, ATCT
CHART: KDTO: CLNC DEL, GND CON, ATCT
CHART: KFTW: ATIS, CLNC DEL, GND CON, ATCT
CHART: KFWS: ATIS, GND CON, ATCT
CHART: KGKY: CLNC DEL, GND CON
CHART: KGPM: GND CON, ATCT
CHART: KNFW: ATIS, GND CON, ATCT
CHART: KRBD: ATIS, CLNC DEL, GND CON, ATCT
CHART: KTKI: CLNC DEL, GND CON, ATCT
CHART: KJWY: ATIS, CLNC DEL, GND CON
CHART: F41: CLNC DEL, GND CON



FIXES AND/OR NAVAIDS:

REMARKS:
ENVIRONMENTAL REVIEW: COMPLETE
NOISE SCREENING: COMPLETE
MLC TACAN LOCATION USED ON PROCEDURE AS THE MLC WP.
MAXIMUM 100 FT VEGETATION HEIGHT APPLIED.

FLIGHT INSPECTED BY

JEREMY C LEIGHTON

Digitally signed by
DAVID DANNER
Jan 27, 2025

OFFICE

DATE

AJF

01/22/2025

DEVELOPED BY

LEO PALMER

Digitally signed by
LEO PALMER
Dec 09, 2024

OFFICE

DATE

AJV-A421

10/21/2024

APPROVED BY

DAVE DANNER

Digitally signed by
DAVID DANNER
Jan 27, 2025

OFFICE

DATE

TITLE

AJV-A421

04/17/2025

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, REGIONAL DEP CON, ADS ATCT, RBD ATCT, TKI ATCT, AFW ATCT, FTW ATCT, FWS ATCT, NFW ATCT, GPM ATCT, AMGR(S).

CHANGES - REASONS:

- DP ROUTE: KLUD CHANGED FROM: TAKEOFF RWY 17: CLIMB ON HEADING 163.45 TO 1700 BEFORE PROCEEDING NORTH, THENCE . . ." TO "TAKEOFF RWY 17: CLIMB ON HEADING 169.45 TO 1700 BEFORE PROCEEDING NORTH, THENCE . . ." - MAGVAR UPDATED FROM 9E/2000 TO 3E/2025.
- TAKEOFF MINIMUMS: KLUD: RWY 17: STANDARD" TO "RWY 17: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 248 FT/NM TO 2500." - UPDATED ODP EVALUATION.
- CONTROLLING OBS: KLUD: CHANGED FROM "RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W." TO "KLUD: RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W (CLIMB GRADIENT TERMINATION ALTITUDE), 1199 FT MSL TREE 331359.97N/0973413.66W (VISIBILITY), 1209 FT MSL TREE 331402.68N/0973415.80W (CLIMB GRADIENT) (CEILING). OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W" - NEW TARGETS EVALUATED ODP.
- KJWY (MID-WAY RGNL) AND F41 (ENNIS) DP ROUTE, TAKEOFF MINIMUMS, CONTROLLING OBS, COMMUNICATIONS, AIRPORT SERVED, MAGVAR IN ADDITIONAL FLIGHT DATA AND MSA'S. - PER ATC, NO ADDITIONAL CHANGES REQUESTED.



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
NANDR				THREE		NANDR3.NANDR		TWO		04/20/2023		17 APR 2025	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
CUZNO	330538.50N/0970227.84W	Y	-	IF	-	-	AT/ABOVE 3000						
NANDR	331451.55N/0970226.43W	Y	FB	TF	000.12	9.20	AT/BELOW 13000						
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000						
BLECO	332702.70N/0970632.59W	Y	FB	TF	344.24	12.64						NANDR3.IRW	
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20							
IRW VORTAC	352130.95N/0973633.22W	Y	FB	TF	332.54	65.91							
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000						NANDR3.MLC
AKUNA	332702.48N/0964923.30W	Y	FB	TF	041.90	16.35							
TIKYS	340359.93N/0962533.53W	Y	FB	TF	028.19	41.90							
MLC TACAN	345057.99N/0954656.44W	Y	FB	TF	034.08	56.73							
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000						NANDR3.OKM
GRABE	332705.25N/0965741.50W	Y	FB	TF	018.03	12.84							
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60							
OKM VOR/DME	354135.07N/0955157.44W	Y	FB	TF	024.06	90.40							
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000						NANDR3.ROLLS
LOWGN	332702.70N/0971459.29W	Y	FB	TF	319.22	16.08							
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75							
MRMAC	345028.82N/0980634.32W	Y	FB	TF	309.22	60.00							



<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
NANDR		THREE		NANDR3.NANDR		TWO		04/20/2023	17 APR 2025
<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>
ROLLS	354321.88N/0992814.51W	Y	FB	TF	308.69	85.20			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR3.TUL
BLECO	332702.70N/0970632.59W	Y	FB	TF	344.24	12.64			
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			
TUL VORTAC	361146.51N/0954717.13W	Y	FB	TF	028.19	123.58			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR3.EAKER
GRABE	332705.25N/0965741.50W	Y	FB	TF	018.03	12.84			
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60			
NANDR	331451.55N/0970226.43W	Y	-	IF			AT/BELOW 13000		NANDR3.ZEMMA
BLECO	332702.70N/0970632.59W	Y	FB	TF	344.24	12.64			
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			