02/10/2023

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 statue miles or feet RVR unless otherwise indicated.

DP NA	ME					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
NANDR						TWO	NANDR2.NANDR	ONE	05/19/2022	20 APR 2023
TYPE:	OBSTACLE		<u>SID</u>	SPECIAL	RNAV					
50F:	ITE DESCRIPTIO FF RWY 17: CLII		IG 165.44 OF	R AS ASSIGNED I	BY ATC, TH	IENCE				
				R AS ASSIGNED I R AS ASSIGNED I	,					
TAKEO TAKEO	FF RWY 16R: CL FF RWY 34L: CL	IMB ON HEAD	ING 166.21 T ING 346.21 O	R AS ASSIGNED O 1100 BEFORE R AS ASSIGNED DR AS ASSIGNED	TURNING BY ATC, T	RIGHT OR AS HENCE	ASSIGNED BY ATC, THENCE			
				R AS ASSIGNED E R AS ASSIGNED E	,					
TAKEO TAKEO	FF RWY 18R: CL FF RWY 36L: CL	IMB ON HEAD	ING 177.04 C ING 357.04 O	DR AS ASSIGNED DR AS ASSIGNED DR AS ASSIGNED DR AS ASSIGNED) BY ATC, T BY ATC, T	HENCE HENCE				
				R AS ASSIGNED I R AS ASSIGNED I						
TAKEO TAKEO	FF RWY 17: CLII FF RWY 34: CLII	MB ON HEADIN MB ON HEADIN	IG 163.90 TO IG 343.90 OF		PROCEEDIN BY ATC, TH	NG ON COURS	SE OR AS ASSIGNED BY ATC, SE OR AS ASSIGNED BY ATC,			
				O 1200 BEFORE R AS ASSIGNED			ASSIGNED BY ATC, THENCE			
										OVALI7L

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NFDD 028		02/10/2023			25			
DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE			
NANDR	TWO	NANDR2.NANDR	ONE	05/19/2022	20 APR 2023			
KGKY: TAKEOFF RWY 16: CLIMB ON HEADING 162.02 TO 2500 BEFORE TURNING TAKEOFF RWY 34: CLIMB ON HEADING 342.02 TO 1400 BEFORE TURNING								
KGPM: TAKEOFF RWY 18: CLIMB ON HEADING 192.34 TO 2500 BEFORE PROCEED TAKEOFF RWY 36: CLIMB ON HEADING 357.34 TO 1400 BEFORE TURNING 3								
KHQZ: TAKEOFF RWY 18: CLIMB ON HEADING 177.88 OR AS ASSIGNED BY ATC, T TAKEOFF RWY 36: CLIMB ON HEADING 357.88 OR AS ASSIGNED BY ATC, T								
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 163.45 TO 1700 BEFORE PROCEED	ING NORTH, TH	HENCE						
KNFW: TAKEOFF RWY 18: CLIMB ON HEADING 176.53 OR AS ASSIGNED BY ATC, T TAKEOFF RWY 36: CLIMB ON HEADING 356.52 OR AS ASSIGNED BY ATC, T								
KRBD: TAKEOFF RWY 13: CLIMB ON HEADING 129.08 TO 1800 BEFORE TURNING TAKEOFF RWY 17: CLIMB ON HEADING 174.13 TO 2600 BEFORE TURNING TAKEOFF RWY 31: CLIMB ON HEADING 309.09 TO 1500 BEFORE TURNING TAKEOFF RWY 35: CLIMB ON HEADING 354.13 TO 1400 BEFORE TURNING	WESTBOUND C SOUTHBOUND	OR AS ASSIGNED BY ATC, TH OR AS ASSIGNED BY ATC, TH	ENCE HENCE					
KTKI: TAKEOFF RWY 18: CLIMB ON HEADING 179.12 OR AS ASSIGNED BY ATC, T TAKEOFF RWY 36: CLIMB ON HEADING 359.11 OR AS ASSIGNED BY ATC, T								
KWEA: TAKEOFF RWY 17: CLIMB ON HEADING 175.38 OR AS ASSIGNED BY ATC, T TAKEOFF RWY 35: CLIMB ON HEADING 355.37 TO 1600 BEFORE TURNING I								

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.

NFDD	028			02/10/2023					26
DP NAME NANDR			NUMBER TWO	DP COMPUTER CODE NANDR2.NANDR	SUPERSEDE ON		DAT 05/19/2		ACTUAL EFFECTIVE DATE 20 APR 2023
TRANSITION ROUTES	GRAPHIC DEPICTION ON								
TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID		<u>TO</u> NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
MC ALESTER	NANDR2.MLC	NANDR	Ał	KUNA	TRACK 038.90	16.35	5000	2100	NANDR AT/BELOW 13000
		AKUNA	T	TIKYS		41.90	5000	3800	
		TIKYS	MLC	TACAN	TRACK 031.08	56.73	5000	2500	
WILL ROGERS	NANDR2.IRW	NANDR	BLECO		TRACK 341.24	12.64	5000	2700	NANDR AT/BELOW 13000
		BLECO	ZE	EMMA	TRACK 003.04	56.20	5000	2500	
		ZEMMA	IRW	VORTAC	TRACK 329.54	65.91	5000	2600	
OKMULGEE	NANDR2.0KM	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	NANDR2.ROLLS	NANDR	LC	DWGN	TRACK 316.22	16.08	5000	2200	NANDR AT/BELOW 13000
		LOWGN	ADM Y	VORTAC	TRACK 002.09	45.75	5000	2600	
		ADM VORTAC	MF	RMAC	TRACK 306.22	60.00	5000	2700	
		MRMAC	R	OLLS	TRACK 305.69	85.20	5000	3400	
TULSA	NANDR2.TUL	NANDR	BL	LECO	TRACK 341.24	12.64	5000	2700	NANDR AT/BELOW 13000
		BLECO	ZE	EMMA	TRACK 003.04	56.20	5000	2500	
		ZEMMA	TUL	VORTAC	TRACK 025.19	123.58	5000	2600	
EAKER	NANDR2.EAKER	NANDR	GF	RABE	TRACK 015.03	12.84	5000	2100	NANDR AT/BELOW 13000
		GRABE	E/	AKER	TRACK 015.12	54.60	5000	3700	
ZEMMA	NANDR2.ZEMMA	NANDR	BL	LECO	TRACK 341.24	12.64	5000	2700	NANDR AT/BELOW 13000
		BLECO	ZE	EMMA	TRACK 003.04	56.20	5000	2500	
	NOTES								

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.

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20 CHIECKER

NFDD 028		02/10/2023			27
DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
NANDR	TWO	NANDR2.NANDR	ONE	05/19/2022	20 APR 2023

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.

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

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DP NAME NANDR	<u>NUMBER</u> TWO	DP COMPUTER CODE NANDR2.NANDR	SUPERSEDED NUMBER ONE	DATED 05/19/2022	ACTUAL EFFECTIVE DATE 20 APR 2023
KI NO.					

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: STANDARD

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

KTKI:

RWY 18, 36: STANDARD

KWEA:

RWY 17, 35: STANDARD

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

50F:

RWY 17: 1011 FT MSL TREE 323407.39N/0973524.72W (CLIMB GRADIENT/CLIMB-TO-ALTITUDE); 1123 FT MSL TRANSMISSION LINE 323306.16N/0973536.73W (CEILING), 1101 FT MSL TREE 323248.00N/0973542.00W (VISIBILITY).

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; 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.

OUALITL 20 CHECKER

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DP NAME NANDR	<u>NUMBER</u> TWO	DP COMPUTER CODE NANDR2.NANDR	SUPERSEDED NUMBER ONE	DATED 05/19/2022	ACTUAL EFFECTIVE DATE 20 APR 2023			
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 MS	SL TOWER 3235(02.67N/0965748.75W.						

KLUD:

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.

MSA:

50F: MSA FROM ARP 50F, 3600. KADS: MSA FROM ARP KADS, 3600. KAFW: MSA FROM ARP KAFW, 4000. KCPT: MSA FROM ARP KCPT, 3600. KDTO: MSA FROM ARP KDTO, 4000. F46: MSA FROM ARP F46, 2600. KFTW: MSA FROM ARP KFTW. 3600. KFWS: MSA FROM ARP KFWS, 3600. KGKY: MSA FROM ARP KGKY, 3600. KGPM: MSA FROM ARP KGPM, 3600. KHQZ: MSA FROM ARP KHQZ, 3600. KLNC: MSA FROM ARP KLNC, 3600. KLUD: MSA FROM ARP KLUD, 4000. KNFW: MSA FROM ARP KNFW, 3600. KRBD: MSA FROM ARP KRBD, 3600. KTKI: MSA FROM ARP KTKI, 3800. KWEA: MSA FROM MQP VORTAC, 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 9E/2000, NFW 4E/2015, RBD 6E/1990, TKI 3E/2015, WEA 5E/2010. DME/DME ASSESSMENT: SAT (RNP 2.0) CHART: TOP ALTITUDE: ASSIGNED BY ATC CHART: MINIMUM CROSSING ALTITUDE AT CUZNO - 3000



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DP NAME NANDR	NUMBER TWO	DP COMPUTER CODE NANDR2.NANDR	SUPERSEDED NUMBER ONE	DATED 05/19/2022	ACTUAL EFFECTIVE DATE 20 APR 2023
AIRPORTS SERVED:					
AIRPORT ID		CITY			<u>STATE</u>
KADS		DALLAS			ТХ
KAFW		FORT WORTH			ТХ
КСРТ		CLEBURNE			ТХ
KDTO		DENTON			ТХ
F46		ROCKWALL			ТХ
KFTW		FORT WORTH			ТХ
KFWS		FORT WORTH			ТХ
KGKY		ARLINGTON			ТХ
KGPM		GRAND PRAIRIE			ТХ
KHQZ		MESQUITE			ТХ
KLNC		LANCASTER			ТХ
KLUD		DECATUR			ТХ
KNFW		FORT WORTH			ТХ
KRBD		DALLAS			ТХ
KTKI		DALLAS			ТХ
KWEA		WEATHERFORD			ТХ
		FORT WORTH			ТХ
COMMUNICATIONS: KADS: CHART: ATIS, CLNC DEL, GND CON, ATCT KAFW: CHART: ATIS, CLNC DEL, GND CON, ATCT KDTO: CHART: CLNC DEL, GND CON, ATCT					

KAFW: CHART: ATIS, CLINC DEL, GND CON, ATCT KDTO: CHART: CLINC DEL, GND CON, ATCT KFTW: CHART: ATIS, CLINC DEL, GND CON, ATCT KFWS: CHART: ATIS, GND CON, ATCT KGKY: CHART: CLINC DEL, GND CON KGPM: CHART: ATIS, GND CON, ATCT KNFW: CHART: ATIS, CLINC DEL, GND CON, ATCT KTKI: CHART: CLINC DEL, GND CON, ATCT

OUALITL 20 CHECKED

NFDD 028		02/10/2023			31
DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATE	
NANDR	TWO	NANDR2.NANDR	ONE	05/19/20	20 APR 2023
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			OFFICE	DATE	Digitally signed by ERIC N SUSKI
GARY BELL			FPO	01/27/2023	Feb 07, 2023
GART DELL			110	01/27/2023	1 60 07, 2023
DEVELOPED BY			OFFICE	DATE	Digitally signed by
PARNELL PRASSADA			AJV-A431	11/23/2021	ERIC N SUSKI
APPROVED BY			OFFICE	DATE	Jan 03, 2023 TITLE
JOHNNIE BAKER			AJV-A430	DATE	MANAGER
REQUIRED EFFECTIVE DATE ROUTINE COORDINATED WITH:			AUV-A450		Digitally signed by ERIC N SUSKI Jan 03, 2023
	OTHER: ZFW ATCT	, REGIONAL DEP CON, ADS , NFW ATCT, GPM ATCT, AM	ATCT, RBD ATCT, TKI ATCT /IGR(S).	, AFW ATCT, F1	TW ATCT, FWS
 <u>CHANGES - REASONS:</u> 1. REMOVED KDAL AND KDFW FROM NANDR RNAV SID - PER ATC REQUEST 2. ADDED 50F, KCPT, F46, KLUD, AND KWEA TO NANDR (RNAV) SID - PER ATC PLAN FROM THESE AIRPORTS. 3. ADDED 50F, KLUD, AND KWEA TO DP ROUTE DESCRIPTION - IAW 8260.46J 4. ADDED EAKER AND ZEMMA TRANSITION ROUTES - FOR COMPUTER CODI 5. UPDATED MOCA FOR ALL LEGS IN THE PROCEDURE - NEW TARGETS CAL 6. UPDATED MEA FOR ALL TRANSITIONS TO 5000 - ATC REQUEST; IN ORDEF 7. ADDED "NANDR AT/BELOW 13000" TO MC ALESTER, WILL ROGERS, OKMU (D) (9). 8. DELETED CHART NOTES "DALLAS LOVE FLD: PROPS ONLY" AND "DALLAS DELETED FROM NANDR RNAV SID. 	C REQUEST; TI , APPENDIX E (NG PURPOSES .CULATIONS. R TO ALLOW LC LGEE, ROLLS,	(2) (B). 5 IN AUTOMATED SYSTEM. DW PERFORMANCE AIRCRA TULSA, EAKER, AND ZEMMA	FT TO FILE (RNAV) SID ON T A TRANSITIONS' CROSSING	THEIR IFR FLIG ALTITUDES/FI)	HT PLAN. KES - IAW 8260.46J, APPENDIX E (2)
 ADDED "EAKER TRANSITION: FOR TUL TERMINAL ARRIVALS ONLY," "TULS TERMINAL AREA, FILE AND EXPECT THE ZEMMA ENROUTE TRANSITION" TO 10. CHANGED FROM CLIMB GRADIENT UNIT FORMAT FROM "FEET PER NM" 11. ADDED 50F "RWY 17: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 512 12. ADDED KCPT "RWY 15, 33: "STANDARD" TO TAKEOFF MINIMUMS - IAW 82 13. ADDED F46 "RWY 15, 33: STANDARD" TO TAKEOFF MINIMUMS - IAW 8260. 14. ADDED KLUD "RWY 17: STANDARD - IAW 8260.46J, APPENDIX E (2) (H). 15. ADDED KWEA "RWY 17, 35: STANDARD" TO TAKEOFF MINIMUMS - IAW 82 16. CHANGED KADS CONTROLLING OBSTACLES "RWY 16: 850 FT MSL BUILD CEILING), 973 FT MSL BUILDING 325536.93N/0964906.47W (VISIBILITY)" TO "RV (CLIMB-TO ALTITUDE/CEILING), 973 FT MSL BUILDING 325536.93N/0964906.47B UILDING 325629.00N/0964925.00W AS BOTH CG/CTA, AND 975 FT MSL BUILD 17. ADDED "50F: RWY 17: 1011 FT MSL TREE 323407.39N/0973524.72W (CLIME TREE 323248.00N/0973542.00W (VISIBILITY)" TO CONTROLLING OBSTACLES - 	PROCEDURAL TO "FT/NM" - IA FT/NM TO 1300 60.46J, APPEN 46J, APPENDI> 60.46J, APPENDI> 60.46J, APPENDI> 100 325629.001 WY 16: 850 FT I W (VISIBILITY) DING 325540.81 3 GRADIENT/CL	DATA NOTES - IAW 8260.46 W 8260.46J, FIGURE 2-1-1. " - IAW 8260.46J, APPENDIX DIX E (2) (H). (E (2) (H). N/0964925.00W (CLIMB GRAI MSL BUILDING 325629.00N/0 " - TARGETS EVALUATION R N/0964919.57W TO CEILING IMB-TO-ALTITUDE), 1123 FT	BJ, APPENDIX E (2) (G). E (2) (H). DIENT), 975 FT MSL BUILDIN 1964925.00W (CLIMB GRADIE REVISED ENTITY CLASSIFIC/ ONLY.	G 325540.81N/(ENT), 975 FT MS ATION, THEREF	0964919.57W (CLIMB-TO ALTITUDE/ SL BUILDING 325540.81N/0964919.57W FORE CLASSIFYING 850 FT MSL

NFDD 028

02/10/2023

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE DEPARTURE (DATA RECORD)

DP NAME						NUMBER	URE (DATA RECORD)		DATED	ACTUAL EFFECTIVE DATE
NANDR						TWO	NANDR2.NANDR	ONE	05/19/2022	20 APR 2023
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	LEG TYPE	<u>TC</u>	<u>DIST</u> (NM)	ALTITUDE	SPEED	<u>REMARKS</u>	
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			NANDR2.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		NANDR2.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		NANDR2.0KM	
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		NANDR2.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				OUALIN_
										20 20

NFDD 028							02/10/2023			34
DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
NANDR						TWO	NANDR2.NANDR	ONE	05/19/2022	20 APR 2023
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	LEG TYPE	<u>TC</u>	<u>DIST</u> (NM)	ALTITUDE	SPEED	REMARKS	
ROLLS	354321.88N/0992814.51W	Y	FB	TF	308.69	85.20				
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR2.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		NANDR2.EAKE	२
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		NANDR2.ZEMM	A
BLECO	332702.70N/0970632.59W	Y	FB	TF	344.24	12.64				
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20				