

**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SUPERSEDED NUMBER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>
LNDRE	FIVE	LNDRE5.LNDRE	FOUR	03/31/2016	05 DEC 2019
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
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DP ROUTE DESCRIPTION:

TAKEOFF RWY 13L: CLIMB ON HEADING 132.64 TO 1000, THENCE...

TAKEOFF RWY 13R: CLIMB ON HEADING 132.62 TO 1000, THENCE...

...DIRECT TO CROSS DRSET AT OR BELOW 6000, THEN ON TRACK 132.66 TO CROSS HAYZZ AT OR ABOVE 6000, THEN ON TRACK 131.95 TO CROSS SHRAM AT OR ABOVE 7000, THEN ON TRACK 088.32 TO LNDRE, THEN ON (TRANSITION). MAINTAIN 8000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31L: CLIMB ON HEADING 312.63 TO 2700, THENCE...

TAKEOFF RWY 31R: CLIMB ON HEADING 312.65 TO 2700, THENCE...

...RIGHT TURN HEADING 013.00 OR AS ASSIGNED BY ATC, MAINTAIN 3000, EXPECT RADAR VECTORS TO CROSS SHRAM AT OR ABOVE 7000, THEN ON TRACK 088.32 TO LNDRE, THEN ON (TRANSITION). 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>
BDDAY	LNDRE5.BDDAY	LNDRE	THHOR JJANE MRSSH BDDAY	TRACK 081.65 TRACK 091.41 TRACK 091.68 TRACK 114.66	10.36 25.16 54.11 34.60	10000 10000 10000 10000	1900 2000 2600 1900	
BSKAT	LNDRE5.BSKAT	LNDRE	ZERLU SWDIA ZACHH BSKAT	TRACK 025.46 TRACK 064.12 TRACK 064.45 TRACK 057.11	21.62 27.10 86.08 39.63	10000 10000 10000 10000	2100 2100 2100 1900	
FORCK	LNDRE5.FORCK	LNDRE	HANUH LYING FORCK	TRACK 052.96 TRACK 079.90 TRACK 080.17	12.44 25.18 79.75	10000 10000 10000	1900 2000 2100	
LOOSE	LNDRE5.LOOSE	LNDRE	TRRCH JAYXX TRYTN LOOSE	TRACK 035.45 TRACK 065.90 TRACK 066.09 TRACK 067.34	16.55 26.72 84.64 62.41	10000 10000 10000 10000	1900 2000 2000 2400	
MRSSH	LNDRE5.MRSSH	LNDRE	THHOR JJANE MRSSH	TRACK 081.65 TRACK 091.41 TRACK 091.68	10.36 25.16 54.11	10000 10000 10000	1900 2000 2600	
ZALEA	LNDRE5.ZALEA	LNDRE	THHOR JJANE MRSSH ZALEA	TRACK 081.65 TRACK 091.41 TRACK 091.68 TRACK 105.35	10.36 25.16 54.11 69.61	10000 10000 10000 10000	1900 2000 2600 2100	

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LNDRE	FIVE	LNDRE5.LNDRE	FOUR	03/31/2016	05 DEC 2019

PROCEDURAL DATA NOTES:**NOTE:** RADAR REQUIRED.**NOTE:** DME/DME/IRU OR GPS REQUIRED.**NOTE:** RNAV 1.**NOTE:** FOR USE BY TURBOJET AIRCRAFT ONLY.**NOTE:** MRSSH TRANSITION FOR AIRCRAFT INBOUND TO SHREVEPORT, JACKSON, AND MONROE TERMINAL AREA AIRPORTS ONLY.**NOTE:** RNAV-CAPABLE PROPS: FILE AND EXPECT THE KUSSO RNAV SID.**NOTE:** USE THE DALLAS DEPARTURE DURING THE PERIOD 2100-0600 LOCAL TIME IN LIEU OF THE LNDRE DEPARTURE.**NOTE:** BDDAY TRANSITION ATC ASSIGNED ONLY.**TAKEOFF MINIMUMS:****RWY 13L, 13R**, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1200. **RWY 31L, 31R**, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1000.**TAKEOFF OBSTACLES NOTES:**

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

CONTROLLING OBSTACLES:**RWY 13L:** 1368 FT MSL BLDG 324648.00N/0964814.00W.**RWY 13R:** 1368 FT MSL BLDG 324648.00N/0964814.00W.**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KDAL 3E EPOCH YR: 2020.

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: MEA/MOCA FROM SHRAM TO LNDRE, 7000/2100.

CHART: TOP ALTITUDE RWY 13L/13R: 8000; RWY 31L/31R: 3000.

PILOT NAVIGATION AREA:

7NM ARC CENTERED ON SHRAM (IF), CW

FROM: POINT A (BEARING 043 DEGREES TO SHRAM)

TO: POINT B (BEARING 133 DEGREES TO SHRAM)

MINIMUM ALTITUDE - 7000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
DALLAS LOVE FIELD (KDAL)	DALLAS	TX

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, LOVE TWR, REGIONAL DEP CON



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LNDRE	FIVE	LNDRE5.LNDRE	FOUR	03/31/2016	05 DEC 2019

FIXES AND/OR NAVAIDS:**REMARKS:**

ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESS IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCT 3, 2018.

OFFICE SYMBOL:**DATE:**

Digitally signed by
DAVID TEFFETELLER
Aug 27, 2019

DEVELOPED BY:

Digitally signed by
NICHOLAS K. JACKSON **NICHOLAS JACKSON**
Aug 13, 2019

OFFICE SYMBOL:**DATE:**

AJV-A431

07/11/2019

APPROVED BY:

GEORGE DAVIS

*Digitally signed by***DAVID TEFFETELLER**

Aug 27, 2019

OFFICE SYMBOL:**DATE:**

AJV-A450

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
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OTHER:

ZFW ARTCC, REGIONAL APP CON, DAL ATCT, AMGR.

CHANGES - REASONS:

1. AMENDED DRSET TO CROSS AT OR BELOW 6000. - ATC REQUEST DUE TO SAFETY ISSUE.
2. CHANGED ROUTE DESCRIPTION VERBIAGE FROM "CLIMB HEADING" TO "CLIMB ON HEADING". - CHANGED IAW 8260.46G PARA 1-1-5(A)3.



**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>EFFECTIVE DATE</u>
LNDRE		FIVE		LNDRE5.LNDRE		FOUR		03/31/2016	05 DEC 2019
<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>
RW13L (AER)*	325123.36N/0965121.21W*	N	-	-	-	-			*DISPL THLD (400 FT)
1000 MSL		-	-	VA	135.64	-	AT/ABOVE 1000		CG 500 FT/NM TO 1200
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/BELOW 6000		
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000		
SHRAM	324059.89N/0963942.44W	Y	FB	TF	134.95	2.45	AT/ABOVE 7000		
RW13R (AER)*	325101.28N/0965144.42W*	N	-	-	-	-			*DISPL THLD (490 FT)
1000 MSL		-	-	VA	135.62	-	AT/ABOVE 1000		CG 500 FT/NM TO 1200
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/BELOW 6000		
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000		
SHRAM	324059.89N/0963942.44W	Y	FB	TF	134.95	2.45	AT/ABOVE 7000		
RW31L (AER)	325002.51N/0965036.30W	N	-	-	-	-			
2700 MSL		-	-	VA	315.63	-	AT/ABOVE 2700		CG 500 FT/NM TO 1000
		-	-	VM	016.00	-			RIGHT TURN
SHRAM	324059.89N/0963942.44W	Y	FB	DF	-	-	AT/ABOVE 7000		
RW31R (AER)	325031.36N/0965020.95W	N	-	-	-	-			
2700 MSL		-	-	VA	315.65	-	AT/ABOVE 2700		CG 500 FT/NM TO 1000
		-	-	VM	016.00	-			RIGHT TURN

QUALITY
9
CHECKED

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LNDRE							FIVE	LNDRE5.LNDRE	FOUR	03/31/2016	05 DEC 2019
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
SHRAM	324059.89N/0963942.44W	Y	FB	DF	-	-	AT/ABOVE 7000				
SHRAM	324059.89N/0963942.44W	Y	-	IF	-	-					
LNDRE	324050.94N/0963214.09W	Y	FB	TF	091.32	6.31					
LNDRE	324050.94N/0963214.09W	Y	-	IF	-	-			LNDRE5.BDDAY		
THHOR	324148.38N/0962000.56W	Y	FB	TF	084.65	10.36					
JJANE	323948.54N/0955017.67W	Y	FB	TF	094.41	25.16					
MRSSH	323507.07N/0944627.83W	Y	FB	TF	094.68	54.11					
BDDAY	321856.11N/0941018.17W	Y	FB	TF	117.66	34.60					
LNDRE	324050.94N/0963214.09W	Y	-	IF	-	-			LNDRE5.BSKAT		
ZERLU	325953.11N/0961958.89W	Y	FB	TF	028.46	21.62					
SWDIA	331022.97N/0955014.24W	Y	FB	TF	067.12	27.10					
ZACHH	334250.88N/0941456.02W	Y	FB	TF	067.45	86.08					
BSKAT	340230.74N/0933335.42W	Y	FB	TF	060.11	39.63					
LNDRE	324050.94N/0963214.09W	Y	-	IF	-	-			LNDRE5.FORCK		
HANUH	324749.14N/0962000.18W	Y	FB	TF	055.96	12.44					
LYING	325052.67N/0955020.65W	Y	FB	TF	082.90	25.18					

QUALITY
9

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LNDRE							FIVE	LNDRE5.LNDRE	FOUR	03/31/2016	05 DEC 2019
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)		ALTITUDE	SPEED		REMARKS
FORCK	325947.52N/0941611.34W	Y	FB	TF	083.17	79.75					
LNDRE	324050.94N/0963214.09W	Y	-	IF	-	-					LNDRE5.LOOSE
TRRCH	325349.81N/0962000.56W	Y	FB	TF	038.45	16.55					
JAYXX	330324.50N/0955021.30W	Y	FB	TF	068.90	26.72					
TRYTN	333304.70N/0941544.53W	Y	FB	TF	069.09	84.64					
LOOSE	335346.88N/0930508.38W	Y	FB	TF	070.34	62.41					
LNDRE	324050.94N/0963214.09W	Y	-	IF	-	-					LNDRE5.MRSSH
THHOR	324148.38N/0962000.56W	Y	FB	TF	084.65	10.36					
JJANE	323948.54N/0955017.67W	Y	FB	TF	094.41	25.16					
MRSSH	323507.07N/0944627.83W	Y	FB	TF	094.68	54.11					
LNDRE	324050.94N/0963214.09W	Y	-	IF	-	-					LNDRE5.ZALEA
THHOR	324148.38N/0962000.56W	Y	FB	TF	084.65	10.36					
JJANE	323948.54N/0955017.67W	Y	FB	TF	094.41	25.16					
MRSSH	323507.07N/0944627.83W	Y	FB	TF	094.68	54.11					
ZALEA	321245.50N/0932835.29W	Y	FB	TF	108.35	69.61					

