

**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SUPERSEDED NUMBER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>
AKUNA (RNAV)	NINE	AKUNA9.AKUNA	EIGHT	07/16/2020	05 NOV 2020
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB ON HEADING 176.26 TO INTERCEPT COURSE 157.17 TO SPERA, THEN ON TRACK 106.51 TO CROSS JGIRL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 176.26 TO INTERCEPT COURSE 155.02 TO SPERA, THEN ON TRACK 106.51 TO CROSS JGIRL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

TAKEOFF RWY 18L: CLIMB ON HEADING 176.25 TO INTERCEPT COURSE 192.50 TO BPARK, THEN ON TRACK 254.87 TO CROSS YAMEL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

TAKEOFF RWY 18R: CLIMB ON HEADING 176.25 TO INTERCEPT COURSE 192.00 TO BPARK, THEN ON TRACK 254.87 TO CROSS YAMEL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

TAKEOFF RWY 35C: CLIMB ON HEADING 356.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 020.35 TO CROSS ITTTT AT OR ABOVE 6000, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

TAKEOFF RWY 35L: CLIMB ON HEADING 356.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 020.35 TO CROSS ITTTT AT OR ABOVE 6000, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

TAKEOFF RWY 36L: CLIMB ON HEADING 356.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 348.87 TO CROSS RYNNE AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

TAKEOFF RWY 36R: CLIMB ON HEADING 356.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 348.87 TO CROSS RYNNE AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO AKUNA, THENCE...

... ON (TRANSITION) MAINTAIN 10000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31L/R: CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO AKUNA, THENCE...

... ON (TRANSITION) MAINTAIN 5000. 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>
MC ALESTER	AKUNA9.MLC	AKUNA	TIKYS	TRACK 024.19	41.90	17400	3800	
		TIKYS	MLC TACAN	TRACK 030.08	56.73	FL180	2600	

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

NOTE: PROPS FILE AND EXPECT JACKY OR TRI-GATE DEPARTURE.

NOTE: RADAR REQUIRED.

TAKEOFF MINIMUMS:

RWY 31L, 31R, STANDARD.

RWY 17C, 17R, 18L, 18R, 35C, 35L, 36L, 36R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1120.



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AKUNA (RNAV)	NINE	AKUNA9.AKUNA	EIGHT	07/16/2020	05 NOV 2020

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:****REFERENCE MAG VAR:** KDFW 4E EPOCH YEAR: 2015**DME/DME ASSESSMENT:** SAT (RNP 2.0)**CHART:** TOP ALTITUDE RWY 31L/31R: 5000; RWY 17C/17R/18L/18R/35L/35C/36L/36R: 10000.**PILOT NAVIGATION AREA:**

7 NM ARC CENTERED ON AKUNA (IF), CW
FROM: POINT A (BEARING 339 DEGREES TO AKUNA)
TO: POINT B (BEARING 069 DEGREES TO AKUNA)
MINIMUM ALTITUDE – 9000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
DALLAS-FORT WORTH INTL	DFW	DALLAS-FORT WORTH	TX

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER, DEP CON, CPDLC.

FIXES AND/OR NAVAIDS:**CHART:** LOWGN, BLECO, GRABE.**REMARKS:**

WAIVER ON FILE FOR TERMINOLOGY USED IN DP ROUTE DESCRIPTION FOR RWY 31L/R (CLIMB HEADING ASSIGNED BY ATC).
ABBREVIATED AMENDMENT - DOES NOT QUALIFY AS A PERIODIC REVIEW.

FLIGHT INSPECTED BY**OFFICE****DATE**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020 SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

*Digitally signed by***MARK D ADAMS****OFFICE****DATE****DEVELOPED BY***Digitally signed by*

DEANNA.M.FIELDS

DEANNA M FIELDS

Sep 02, 2020

AJV-A412

07/30/2020

Aug 21, 2020

APPROVED BY*Digitally signed by*

JULIE MORGAN

MARK D ADAMS**OFFICE****DATE****TITLE**

Sep 02, 2020

AJV-A410

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
AKUNA (RNAV)	NINE	AKUNA9.AKUNA	EIGHT	07/16/2020	05 NOV 2020

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, DFW ATCT, REGIONAL APP CON, AMGR

CHANGES - REASONS:

CHANGED MLC DME TO TACAN - MLC NAVAID PENDING AIRNAV DATED 09/10/2020.



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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
AKUNA (RNAV)		NINE		AKUNA9.AKUNA		EIGHT		07/16/2020		05 NOV 2020	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW17C (AER)	325456.54N/0970133.51W	N	-	-	-	-					
	325136.63N/0970134.60W	-	-	VI	180.26	3.33			CG 500 FT/NM TO 1120.		
SPERA	24657.75N/0965942.05W	Y	FB	CF	161.17	4.90					
JGIRL	324554.36N/0965621.63W	Y	FB	TF	110.51	3.01	AT/ABOVE 5000	AT/BELOW 240K			
CORTS	324607.65N/0964953.59W	Y	FB	TF	087.65	5.46					
BIGGD	325131.59N/0964833.10W	Y	FB	TF	011.84	5.51					
CMORE	325916.66N/0964832.49W	Y	FB	TF	000.06	7.74					
AKUNA	332702.48N/0964923.30W	Y	FB	TF	358.54	27.72					
RW17R (AER)	325456.60N/0970147.58W	N	--	-	-	-					
	325136.69N/0970148.65W	-	-	VI	180.26	3.33			CG 500 FT/NM TO 1120.		
SPERA	324657.75N/0965942.05W	Y	FB	CF	159.02	4.97					
JGIRL	324554.36N/0965621.63W	Y	FB	TF	110.51	3.01	AT/ABOVE 5000	AT/BELOW 240K			
CORTS	324607.65N/0964953.59W	Y	FB	TF	087.65	5.46					
BIGGD	325131.59N/0964833.10W	Y	FB	TF	011.84	5.51					
CMORE	325916.66N/0964832.49W	Y	FB	TF	000.06	7.74					
AKUNA	332702.48N/0964923.30W	Y	FB	TF	358.54	27.72					
RW18L (AER)	325456.88N/0970302.65W	N	-	-	-	-					
	325139.37N/0970303.67W	-	-	VI	180.25	3.29			CG 500 FT/NM TO 1120.		
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.50	5.34					
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K			

QUALITY

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DP NAME		NUMBER					DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
AKUNA (RNAV)		NINE					AKUNA9.AKUNA		EIGHT		07/16/2020		05 NOV 2020	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS				
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08								
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47								
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63								
AKUNA	332702.48N/0964923.30W	Y	FB	TF	039.81	35.07								
RW18R (AER)	325456.93N/0970316.72W	N	-	-	-	-								
	325107.56N/0970317.90W			VI	180.25	3.82				CG 500 FT/NM TO 1120.				
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.00	4.77								
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K						
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08								
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47								
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63								
AKUNA	332702.48N/0964923.30W	Y	FB	TF	039.81	35.07								
RW31L (AER)	325324.97N/0970347.80W	N	-	-	-	-								
		-	-	VM	319.06	-								
AKUNA	332702.48N/0964923.30W	Y	FB	DF	-	-								
RW31R (AER)	325341.93N/0970003.04W	N	-	-	-	-								
		-	-	VM	315.28	-								
AKUNA	332702.48N/0964923.30W	Y	FB	DF	-	-								
RW35C (AER)	325243.96N/0970134.22W	N	-	-	-	-								
1120 MSL		-	-	VA	000.26	-	AT/ABOVE1120			CG 500 FT/NM TO 1120.				

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DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
AKUNA (RNAV)		NINE		AKUNA9.AKUNA		EIGHT		07/16/2020		05 NOV 2020	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K			
ITTTT	330735.25N/0965955.61W	Y	FB	TF	024.35	3.21	AT/ABOVE 6000				
AKUNA	332702.48N/0964923.30W	Y	FB	TF	024.42	21.33					
RW35L (AER)	325244.02N/0970148.29W	N	-	-	-	-					
1120 MSL		-	-	VA	000.26	-	AT/ABOVE1120	CG 500 FT/NM TO 1120.			
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K			
ITTTT	330735.25N/0965955.61W	Y	FB	TF	024.35	3.21	AT/ABOVE 6000				
AKUNA	332702.48N/0964923.30W	Y	FB	TF	024.42	21.33					
RW36L (AER)	325244.35N/0970317.40W	N	-	-	-	-					
1120 MSL		-	-	VA	000.25	-	AT/ABOVE1120	CG 500 FT/NM TO 1120.			
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K			
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00	AT/ABOVE 7000				
AKUNA	332702.48N/0964923.30W	Y	FB	TF	034.36	21.56					
RW36R (AER)	325244.30N/0970303.33W	N	-	-	-	-					
1120 MSL		-	-	VA	000.25	-	AT/ABOVE 1120	CG 500 FT/NM TO 1120.			
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K			
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00	AT/ABOVE 7000				
AKUNA	332702.48N/0964923.30W	Y	FB	TF	034.36	21.56					
QUALITY 8											

QUALITY
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AKUNA (RNAV)		NINE		AKUNA9.AKUNA		EIGHT		07/16/2020	05 NOV 2020
<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>
AKUNA	332702.48N/0964923.30W	Y	-	IF	-	-			AKUNA9.MLC
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			

