

**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.

DP NAME FRITR	NUMBER THREE	DP COMPUTER CODE FRITR3.DOTSS	SUPERSEDED NUMBER TWO	DATED 07/19/2018	EFFECTIVE DATE 13SEPT2018
-------------------------	------------------------	---	---------------------------------	----------------------------	--

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 12: CLIMB HEADING 120.72 TO 600, THEN ON HEADING 120.73 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS FRITR AT OR ABOVE 5000, THEN ON TRACK 076.07 TO DOTSS, THENCE...

TAKEOFF RWY 26R: CLIMB HEADING 256.20 TO 580, THEN ON HEADING 180.00 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS FRITR AT OR ABOVE 5000, THEN ON TRACK 076.07 TO DOTSS, THENCE...

TAKEOFF RWY 30: CLIMB HEADING 300.73 TO 1500, THEN LEFT TURN HEADING 180.00 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS FRITR AT OR ABOVE 5000, THEN ON TRACK 076.07 TO DOTSS, THENCE...

ON (TRANSITION). MAINTAIN 17000. EXPECT HIGHER ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
AVRRY	FRITR3.AVRRY	DOTSS	AREA	TRACK 077.03	28.14	7700		
			PEELR	TRACK 077.54	44.95	15000	10800	
			MTBAL	TRACK 077.71	14.77	15000	8700	
			AVRRY	TRACK 055.20	25.24	15000	7500	
CNERV	FRITR3.CNERV	DOTSS	WIILD	TRACK 092.34	29.38	7200	6700	
			BLCKD	TRACK 076.85	40.59	15000	10800	
			CSTWY	TRACK 076.96	19.59	15000	10800	
			CNERV	TRACK 056.68	23.99	15000	5900	
TCATE	FRITR3.TCATE	DOTSS	WIILD	TRACK 092.34	29.38	7200	6700	
			TCATE	TRACK 123.64	56.29	15000	8700	

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY.



**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>
FRITR	THREE	FRITR3.DOTSS	TWO	07/19/2018	13SEPT2018

TAKEOFF MINIMUMS:

RWY 8L, 8R, 26L: NA-ATC.

RWY 12, 30: STANDARD.

RWY 26R: STANDARD WITH A MINIMUM CLIMB OF 230 FT PER NM TO 1600.

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: KLGB 14E EPOCH YR: 1980

DME/DME ASSESSMENT SAT: RNP (2.0)

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON FRITR (IF); CW

FROM: PT A (BEARING 031.07 TO FRITR)

TO: POINT B (BEARING 121.07 TO FRITR).

CHART: MINIMUM CROSSING ALTITUDE AT FRITR - 5000.

CHART: TOP ALTITUDE: 17000.

DO NOT CHART MOCA(S).

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
LONG BEACH/DAUGHERTY FIELD/ (KLGB)	LONG BEACH	CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TWR, SOCAL DEP CON

FIXES AND/OR NAVAIDS:

LVLL, TTRUE, WURMO



**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>
FRITR	THREE	FRITR3.DOTSS	TWO	07/19/2018	13SEPT2018

- REMARKS:**
1. RWY 26R CLIMB GRADIENT CLIMB GRADIENT PUBLISHED TO MATCH DIVERSE VECTOR AREA (DVA), AMDT 2 AT AIRPORT.
 2. MOCA(S) NOT CHARTED PER ATC REQUEST.
 3. LVELL, TTRUE, AND WURMO CHARTED AS STAND-ALONE WAYPOINTS PER ATC REQUEST.
 4. ABBREVIATED AMENDMENT, DOES NOT MEET PERIODIC REVIEW REQUIREMENTS.

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017

Digitally signed by
ROBERT G HAMILTON
Jul 11, 2018

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

PETER GUIMOND *Digitally signed by*
PETER R GUIMOND
Jul 07, 2018

OFFICE SYMBOL:

DATE:

AJV-5422 07/07/2018

APPROVED BY:

JULIE MORGAN

Digitally signed by
ROBERT G HAMILTON
Jul 11, 2018

OFFICE SYMBOL:

DATE:

AJV-5420

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

OTHER:

ZLA, SOCAL DEP CON, LGB ATCT, AMGR

CHANGES - REASONS:

1. DELETED NOTE: THIS PROCEDURE NOT AUTHORIZED FOR TURBOJET AIRCRAFT - REPLACED BY UPDATED NOTE.
2. ADDED NOTE: TURBOJET AIRCRAFT ONLY - CORRECTS ERROR INADVERTENTLY INTRODUCED ON FRITR TWO 8260-15B.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
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>				
FRITR	THREE	FRITR3.DOTSS	TWO	07/19/2018	13SEPT2018				
<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>
RW12 (AER)*	334924.94N/1180930.16W*	N	-	-	-	-			*DISPL THLD (1350 FT)
600 MSL	-	-	-	VA	134.72	-			
-	-	-	-	VM	134.73	-			
FRITR	333840.57N/1180219.75W	Y	FB	DF	-	-	AT/ABOVE 5000		
RW26R (AER)*	334921.74N/1180841.60W*	N	-	-	-	-			*DISPL THLD (532 FT)
580 MSL	-	-	-	VA	270.20	-			CG 230 FT PER NM TO 1600
-	-	-	-	VM	194.00	-			
FRITR	333840.57N/1180219.75W	Y	FB	DF	-	-	AT/ABOVE 5000		
RW30 (AER)*	334838.64N/1180834.16W*	N	-	-	-	-			*DISPL THLD (2000 FT)
1500 MSL	-	-	-	VA	314.73	-			
-	-	-	-	VM	194.00	-			LEFT TURN
FRITR	333840.57N/1180219.75W	Y	FB	DF	-	-	AT/ABOVE 5000		
FRITR	333840.57N/1180219.75W	Y	-	IF	-	-	AT/ABOVE 5000		
DOTSS	333838.78N/1174743.02W	Y	FB	TF	090.07	12.20			
DOTSS	333838.78N/1174743.02W	Y	-	IF	-	-			FRITR3.AVRRY
AREAE	333803.92N/1171401.10W	Y	FB	TF	091.03	28.14			
PEELR	333639.62N/1162012.96W	Y	FB	TF	091.54	44.95			
MTBAL	333611.93N/1160232.30W	Y	FB	TF	091.71	14.77			



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
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>				
FRITR	THREE	FRITR3.DOTSS	TWO	07/19/2018	13SEPT2018				
<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>
AVRRY	334507.35N/1153414.56W	Y	FB	TF	069.20	25.24			
DOTSS	333838.78N/1174743.02W	Y	-	IF	-	-			FRITR3.CNERY
WIILD	333017.34N/1171359.88W	Y	FB	TF	106.34	29.38			
BLCKD	332931.77N/1162528.14W	Y	FB	TF	090.85	40.59			
CSTWY	332909.77N/1160203.05W	Y	FB	TF	090.96	19.59			
CNERY	333703.75N/1153456.72W	Y	FO	TF	070.68	23.99			
DOTSS	333838.78N/1174743.02W	Y	-	IF	-	-			FRITR3.TCATE
WIILD	333017.34N/1171359.88W	Y	FB	TF	106.34	29.38			
TCATE	324829.07N/1162859.88W	Y	FB	TF	137.64	56.29			

QUALITY
8
CHECKED