

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.
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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
WLFRD	TWO	WLFRD2.WLFRD	ONE	11/13/2014	15 SEP 2016

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 12: CLIMB HEADING 118.92 TO 540, THEN DIRECT ROJAN, THEN AS DEPICTED TO WLFRD, THENCE...

TAKEOFF RWY 30: CLIMB HEADING 298.93 TO 540, THEN LEFT TURN DIRECT TEJOS, THEN ON TRACK 099.23 TO ROJAN, THEN AS DEPICTED TO WLFRD, THENCE...

...ON ASSIGNED TRANSITION, MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT CLEARANCE TO FL280, OR REQUESTED ALTITUDE IF LOWER, TEN MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
ALASK	WLFRD2.ALASK	WLFRD	VCNTE	TRACK 205.39	05.28	6000	1300	
			ALASK	TRACK 201.88	57.14	6000	1300	
BORINQUEN	WLFRD2.BQN	WLFRD	VCNTE	TRACK 205.39	05.28	6000	1300	
			OMMAR	TRACK 271.76	07.23	6000	1300	
			MIGGL	TRACK 338.29	06.15	6000	1300	
			ADECY	TRACK 012.25	05.68	7000	1400	7000B17000
			KMCHO	TRACK 329.60	24.81	7000	6200	
			BQN VORTAC	TRACK 322.93	22.25	7000	4200	
DORADO	WLFRD2.DDP	WLFRD	VCNTE	TRACK 205.39	05.28	6000	1300	
			OMMAR	TRACK 271.76	07.23	6000	1300	
			MIGGL	TRACK 338.29	06.15	6000	1300	
			ADECY	TRACK 012.25	05.68	7000	1400	7000B17000
			JOSHE	TRACK 016.35	18.25	11000	6600	AT/ABOVE 11000
			DDP NDB	TRACK 031.52	14.42	11000	5200	
OLGAH	WLFRD2.OLGAH	WLFRD	OLGAH	TRACK 112.00	12.97	6000	1300	

QUALITY
6
CHECKED

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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: GPS REQUIRED.

NOTE: RNAV1

NOTE: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE ON INITIAL CONTACT.

NOTE: NO HEAVY JET DEPARTURE OFF RWY 30 WHEN MUNIZ2 OR W371 ARE ACTIVE.

TAKEOFF MINIMUMS: RWY 12: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

RWY 30: 500-1 1/2 WITH MINIMUM CLIMB OF 500 FT PER NM TO 540 OR STANDARD WITH MINIMUM CLIMB OF 775 FT PER NM TO 700.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 12, TERRAIN AND TREE BEGINNING 25 FT FROM DER, 178 FT LEFT OF CENTERLINE, UP TO 50 FT MSL.

TERRAIN 118 FT FROM DER, 109 FT RIGHT OF CENTERLINE, 43 FT MSL.

POLE 125 FT FROM DER, 432 FT RIGHT OF CENTERLINE, 47 FT AGL/82 FT MSL.

POLE AND TERRAIN BEGINNING 126 FT FROM DER, 396 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/87 FT MSL.

TERRAIN AND TREE BEGINNING 207 FT FROM DER, 267 FT LEFT OF CENTERLINE, UP TO 56 FT MSL.

TERRAIN AND TREE BEGINNING 306 FT FROM DER, 69 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/64 FT MSL.

TERRAIN, TREES, AND POLES BEGINNING 322 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/88 FT MSL.

TREES BEGINNING 1003 FT FROM DER, 369 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/71 FT MSL.

TREE 2559 FT FROM DER, 448 FT RIGHT OF CENTERLINE, 76 AGL/93 FT MSL.

STACK 5535 FT FROM DER, 1749 FT RIGHT OF CENTERLINE, 184 FT AGL/210 FT MSL.

RWY 30, POLE 95 FT FROM DER, 478 FT LEFT OF CENTERLINE, 40 FT AGL/63 FT MSL.

POLE 96 FT FROM DER, 453 FT RIGHT OF CENTERLINE, 77 FT MSL.

OBSTRUCTION LIGHT AND POLE, BEGINNING 99 FT FROM DER, 491 FT LEFT OF CENTERLINE, 64 FT MSL.

POLE 239 FT FROM DER, 443 FT LEFT OF CENTERLINE, 39 FT AGL/65 FT MSL.

POLE 538 FT FROM DER, 425 FT LEFT OF CENTERLINE, UP TO 68 FT MSL.

POLE AND OBSTRUCTION LIGHT ON POLE BEGINNING 1013 FT FROM DER, 358 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/74 FT MSL.

OBSTRUCTION LIGHT ON POLE 1021 FT FROM DER, 281 FT RIGHT OF CENTERLINE, UP TO 87 FT MSL.

POLE AND OBSTRUCTION LIGHT ON POLE BEGINNING 1247 FT FROM DER, 238 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/76 FT MSL.

POLE, TREE, AND OBSTRUCTION LIGHT ON POLE BEGINNING 4321 FT FROM DER, 705 FT RIGHT OF CENTERLINE, UP TO 353 FT MSL.

TREE AND OBSTRUCTION LIGHT ON POLE BEGINNING 4387 FT FROM DER, 341 FT RIGHT OF CENTERLINE, UP TO 41 FT AGL/355 FT MSL.

TREE 4597 FT FROM DER, 326 FT LEFT OF CENTERLINE, 164 FT MSL.

BUILDING AND ANTENNA ON BUILDING BEGINNING 4663 FT FROM DER, 1576 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/440 FT MSL.

TOWERS AND POLE BEGINNING 5092 FT FROM DER, 136 FT RIGHT OF CENTERLINE, UP TO 154 FT AGL/522 FT MSL.

TREE 5510 FT FROM DER, 193 FT LEFT OF CENTERLINE, 55 FT AGL/172 FT MSL.

TREE 5869 FT FROM DER, 109 FT LEFT OF CENTERLINE, 34 FT AGL/176 FT MSL.

POLES BEGINNING 1 NM FROM DER, 513 FT LEFT OF CENTERLINE, UP TO 106 FT AGL/197 FT MSL.

POLE 1 NM FROM DER, 504 FT LEFT OF CENTERLINE, 73 FT AGL/216 FT MSL.

POLE 1.1 NM FROM DER, 777 FT RIGHT OF CENTERLINE, 50 FT AGL/330 FT MSL.

CONTROLLING OBSTACLES:

RWY 30, 522 FT MSL TOWER 180113.00N/0663505.00W (CEILING/CLIMB GRADIENT), 431 MSL TRMSN POLE 180117.26N/0663519.79 (VISIBILITY)

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LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAGVAR: TJPS 11W. EPOCH YEAR 1985.
DME/DME ASSESSMENT NOT CONDUCTED.
CHART: TOP ALTITUDE: ASSIGNED BY ATC.
CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT TEJOS.
CHART SPEED ICON MAXIMUM SPEED 250 KIAS AT OMMAR.
CHART: MUNIZ2 AND W371.
CHART: SALINAS 1/2.

AIRPORTS SERVED:

MERCEDITA (PSE) (TJPS)

PONCE, PR

COMMUNICATIONS:

CLEARANCE DELIVERY, CTAF, ZSU

FIXES AND/OR NAVAIDS:

JAVIE



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REMARKS:

CHANGES:

1. DP ROUTE DESCRIPTION: RWY 12: CHANGED HEADING FROM 118.93 TO 118.92.
2. TRANSITION ROUTES: CHANGED ALL INSTANCES OF "WLFRD1" TO READ "WLFRD2".
3. PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS RWY 30: CHANGED CLIMB GRADIENT FROM 778 TO 775.
4. TAKEOFF OBSTACLES NOTES: UPDATED NOTES.
5. CONTROLLING OBSTACLES: UPDATED OBSTACLE INFORMATION.
6. ADDITIONAL FLIGHT DATA: ADDED "CHART: TOP ALTITUDE: ASSIGNED BY ATC."
7. AIRPORTS SERVED: ADDED FOUR AND THREE LETTER AIRPORT IDENTIFIER "(PSE)(TJPS)".

REASONS:

1. NEW AIRFIELD DATA.
2. NEW DESIGNATION.
3. NEW OBSTACLE DATA.
4. NEW OBSTACLE DATA.
5. NEW OBSTACLE DATA.
6. ATC REQUEST.
7. AID FASTER IDENTIFICATION OF AIRPORT.



DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
WLFRD		TWO		WLFRD2.WLFRD			ONE		11/13/2014	15 SEP 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW12 (AER)*	180038.08N/0663413.18W*	N	-	-	-	-			* DISP THLD (777 FT)	
540 MSL	-	-	-	VA	107.92	-			CG 500 FT PER NM TO 540	
ROJAN	175806.39N/0662603.61W	Y	FB	DF	-	-				
JAVIE	175518.33N/0662256.67W	Y	FB	TF	133.20	4.08				
WLFRD	175141.82N/0661938.18W	Y	FB	TF	138.72	4.78				
RW30 (AER)*	180020.15N/0663315.26W*	N	-	-	-	-			* DISP THLD (248 FT)	
540 MSL	-	-	-	VA	287.93	-			CG 500 FT PER NM TO 540	
TEJOS	175756.47N/0663141.22W	Y	FB	DF	-	-		AT/BELOW 230K	LEFT TURN	
ROJAN	175806.39N/0662603.61W	Y	FB	TF	088.23	5.37				
JAVIE	175518.33N/0662256.67W	Y	FB	TF	133.20	4.08				
WLFRD	175141.82N/0661938.18W	Y	FB	TF	138.72	4.78				
WLFRD	175141.82N/0661938.18W	Y	-	IF	-	-			WLFRD2.ALASK	
VCNTE	174633.93N/0662100.65W	Y	FB	TF	194.39	5.28				
ALASK	165012.92N/0663215.09W	Y	FB	TF	190.88	57.14				
WLFRD	175141.82N/0661938.18W	Y	-	IF	-	-				
VCNTE	174633.93N/0662100.65W	Y	FB	TF	194.39	5.28			WLFRD2.BQN	
OMMAR	174523.80N/0662829.55W	Y	FB	TF	260.76	7.23		AT/BELOW 250K		
MIGGL	175035.67N/0663158.68W	Y	FB	TF	327.29	6.15				
ADECY	175618.00N/0663150.87W	Y	FB	TF	001.25	5.68	7000 B 17000			
KMCHO	181458.22N/0664905.06W	Y	FB	TF	318.60	24.81				
BQN VORTAC	182952.81N/0670630.06W	Y	FB	TF	311.93	22.25				
WLFRD	175141.82N/0661938.18W	Y	-	IF	-	-			WLFRD 2.DDP	
VCNTE	174633.93N/0662100.65W	Y	FB	TF	194.39	5.28				
OMMAR	174523.80N/0662829.55W	Y	FB	TF	260.76	7.23		AT/BELOW 250K		
MIGGL	175035.67N/0663158.68W	Y	FB	TF	327.29	6.15				
ADECY	175618.00N/0663150.87W	Y	FB	TF	001.25	5.68	7000 B 17000			
JOSHE	181432.52N/0663003.54W	Y	FB	TF	005.35	18.25	AT/ABOVE 11000			
DDP NDB	182805.80N/0662444.61W	Y	FB	TF	020.52	14.42				

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WLFRD		TWO	WLFRD2.WLFRD			ONE		11/13/2014	15 SEP 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
WLFRD	175141.82N/0661938.18W	Y	-	IF	-	-			WLFRD2.OLGAH
OLGAH	174912.22N/0660617.18W	Y	FB	TF	101.00	12.97			

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