

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.
 Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HAMAR	TWO	HAMAR2.HAMAR	ONE	08/27/2009	10 DEC 2015

TYPE: SID RNAV

DP ROUTE DESCRIPTION:

TAKEOFF RUNWAY 8: Climb heading 077.98 to 520, continue climb expect vectors to HAMAR, then via 094.63 track to NAILL, thence ...

TAKEOFF RUNWAY 10: Climb heading 101.14 to 520, continue climb expect vectors to HAMAR, then via 094.63 track to NAILL, thence ...

... via assigned transition. Maintain 5000 unless assigned lower altitude. 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
SLUGO	HAMAR2.SLUGO	NAILL	SLUGO	TRACK 108.21	93.77	5000		
JUICE	HAMAR2.JUICE	NAILL	JUICE	TRACK 117.29	97.06	5000		
ST CROIX	HAMAR2.COY	NAILL	COY VOR/DME	TRACK 157.34	61.61	5000		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: GPS required.

NOTE: For Prop and Turboprop aircraft only.

NOTE: RNAV 1.

NOTE: RADAR required

TAKEOFF MINIMUMS: RWY 26, 28, NA- ATC. RWY 8, 10-STANDARD. ATC climb of 230' per NM to 5000.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 8, Trees beginning 21' from DER, left and right of centerline, up to 84' AGL/107' MSL

NOTE: RWY 10, Trees beginning 157' from DER, left and right of centerline, up to 54' AGL/61' MSL.

CONTROLLING OBSTACLES:

RWY 8: 3724 MSL AAO 181620.38N/0654946.06W, 4049 MSL TOWER 180648.00N/0660309.00W, 2239 MSL AAO 181944.30N/0654632.36W.

RWY 10: 3724 MSL AAO 181620.38N/0654946.06W, 4049 MSL TOWER 180648.00N/0660309.00W, 2099 MSL AAO 181946.00N/0654633.06W.

LOST COMMUNICATIONS PROCEDURES:



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ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: TJSJ 11W EPOCH YR:85.
 DME/DME ASSESSMENT: NOT CONDUCTED
 CHART: TOP ALTITUDE: 5000
 PILOT NAVIGATION AREA:
 10 NM ARC CENTERED ON HAMAR (IF), CW
 FROM: POINT A (BEARING 050 DEGREES TO HAMAR)
 TO: POINT B (BEARING 139 DEGREES TO HAMAR)
 MINIMUM ALTITUDE - 2700

AIRPORTS SERVED:

LUIS MUNOZ MARIN INTL

SAN JUAN, PR

COMMUNICATIONS:

ATIS, TOWER, GROUND, CLEARANCE DELIVERY, DEPARTURE CONTROL

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

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CHANGES:

ADDED: CHART: TOP ALTITUDE: 5000

REASONS:

ATC REQUEST



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code					Superseded Number	Dated	Effective Date
HAMAR	TWO	HAMAR2.HAMAR					ONE	08/27/2009	10 DEC 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW08 (AER)	182619.50N/0660053.50W	N	-	-	-	-			ATC CG 230 FT/NM TO 5000
520 MSL		-	-	VA	066.98	-			
5000 MSL		-	-	VM	066.98	-			
RW10 (AER)	182600.81N/0660049.42W	N	-	-	-	-			ATC CG 230 FT/NM TO 5000
520 MSL		-	-	VA	090.14	-			
5000 MSL		-	-	VM	090.14	-			
HAMAR	183333.25N/0653713.18W	Y	FB	IF	-	-			
NAILL	183536.21N/0651749.35W	Y	FB	TF	083.63	18.54			
NAILL	183536.21N/0651749.35W	Y	FB	IF	-	-			HAMAR2.SLUGO
SLUGO	182322.00N/0634000.00W	Y	FB	TF	097.21	93.77			
NAILL	183536.21N/0651749.35W	Y	FB	IF	-	-			HAMAR2.JUICE
JUICE	180751.38N/0634000.00W	Y	FB	TF	106.29	97.06			
NAILL	183536.21N/0651749.35W	Y	FB	IF	-	-			HAMAR2.COY
COY VOR/DME	174404.00N/0644202.60W	Y	FB	TF	146.34	61.61			