

**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SUPERSEDED NUMBER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>
CROWD	EIGHT	CROWD8.CROWD	SEVEN	06/25/2015	03 JAN 2019

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

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1L/R: CLIMB ON HEADING 006.73 TO 540, THEN CLIMB TO ASSIGNED ALTITUDE ON HEADING 003.00 OR AS ASSIGNED BY ATC, THENCE...
 TAKEOFF RWY 10: CLIMB ON HEADING 096.73 TO 540, THEN CLIMB TO ASSIGNED ALTITUDE ON HEADING 093.00 OR AS ASSIGNED BY ATC, THENCE...
 TAKEOFF RWY 19L: CLIMB ON HEADING 186.73 TO 540, THEN CLIMB TO ASSIGNED ALTITUDE ON HEADING 213.00 OR AS ASSIGNED BY ATC, THENCE...
 TAKEOFF RWY 19R: CLIMB ON HEADING 186.73 TO 540, THEN CLIMB TO ASSIGNED ALTITUDE ON HEADING 203.00 OR AS ASSIGNED BY ATC, THENCE...
 TAKEOFF RWY 28: CLIMB ON HEADING 276.74 TO 540, THEN CLIMB TO ASSIGNED ALTITUDE ON HEADING 273.00 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO MILEJ, THEN ON TRACK 115.54 TO CROWD. MAINTAIN 6000 OR AS ASSIGNED BY ATC, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (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>
HALLR	CROWD8.HALLR	CROWD	HALLR	TRACK 115.68	20.66	11500		

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.
 NOTE: JETS ONLY.
 NOTE: RADAR REQUIRED.
 NOTE: DME/DME/IRU OR GPS REQUIRED.

TAKEOFF MINIMUMS:

RWY 1L/R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.
 RWY 10, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 900.
 RWY 19L, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 760.
 RWY 19R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600.
 RWY 28, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 19L: 176 FT MSL BUILDING 275655.27N/0823124.32W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10: 621 FT MSL BUILDING 275648.00N/0822726.00W.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KTPA 5W EPOCH YR: 2010
 DME/DME ASSESSMENT: SAT (RNP 2.0)
 CHART: TOP ALTITUDE: 6000

PILOT NAVIGATION AREA:

10 NM ARC CENTERED ON MILEJ (IDF), CW
 FROM: POINT A (BEARING 071 DEGREES TO MILEJ)
 TO: POINT B (BEARING 161 DEGREES TO MILEJ)
 MINIMUM ALTITUDE – 5000



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CROWD	EIGHT	CROWD8.CROWD	SEVEN	06/25/2015	03 JAN 2019

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
TAMPA INTL (KTPA)	TAMPA	FL

COMMUNICATIONS:

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

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

PROCEDURE NAMED CROWD AND FIX CROWD UTILIZED AS DP TERMINATION FIX INSTEAD OF HALLR DUE TO CROWD ESTABLISHED IN THE ENROUTE STRUCTURE ON VICTOR AIRWAYS. TRANSITION PROCEEDS FROM CROWD. REQUESTED BY ATC TO ALLOW FOR AIRCRAFT TO TERMINATE AT CROWD AND PROCEED ON V7 OR V509. FUTURE TRANSITIONS MAY BE DEVELOPED FROM CROWD.
PER ATC, MAX ALTITUDE UTILIZED FOR DEPARTURES AT MILEJ (IDF) IS 12000.
ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY:

PROCESSED IAW ACFT OPS GROUP (AJW-33) MEMO, 22
DEC 17, SUBJ: FLT INSPECTION REVIEW NOT REQUIRED 

Digitally signed by
DONALD H LANIER
Sep 24, 2018

OFFICE SYMBOL:**DATE:**

AJW-33

DEVELOPED BY:

IVAN BLANCO

Digitally signed by
DONALD H LANIER
Sep 24, 2018

OFFICE SYMBOL:**DATE:**

AJV-5432

07/20/2018

APPROVED BY:

PATRICK MULQUEEN

Digitally signed by
DONALD H LANIER
Sep 24, 2018

OFFICE SYMBOL:**DATE:**

AJV-5430

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:

ZMA, ZJX, TPA APP CON, TPA ATCT, AMGR

CHANGES - REASONS:

DELETED NOTE: NOTE: ACCELERATE TO 250 KIAS, IF UNABLE ADVISE ATC - AIR TRAFFIC CONTROL OPERATIONAL REQUEST.
REMOVED TAKEOFF OFF OBSTACLE NOTES - NO LONGER REQUIRED ON SIDS.
ADDED CONTROLLING OBSTACLES - CRITERIA.
CHANGED AIRCRAFT TYPES FROM TURBOJETS TO JETS - DOCUMENTATION CRITERIA.
ADDED ICAO ID TO AIRPORT NAME.

QUALITY
9
CHECKED

**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>
CROWD		EIGHT		CROWD8.CROWD		SEVEN		06/25/2015	03 JAN 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>
RW19L (AER)	275913.66N-0823141.57W	N	-	-	-	-			
540 MSL			-	VA	181.73	-			CG 500 FT/NM TO 760
			-	VM	208.00	-			
MILEJ	274429.51N-0821101.78W	Y	FB	DF	-	-			
CROWD	274001.46N-0815740.19W	Y	FB	TF	110.54	12.67			
RW19R (AER)	275936.74N-0823228.78W	N	-	-	-	-			
540 MSL			-	VA	181.73	-			CG 500 FT/NM TO 600
			-	VM	198.00	-			
MILEJ	274429.51N-0821101.78W	Y	FB	DF	-	-			
CROWD	274001.46N-0815740.19W	Y	FB	TF	110.54	12.67			
RW01L (AER)	275747.86N-0823232.48W	N	-	-	-	-			
540 MSL			-	VA	001.73	-			CG 500 FT/NM TO 540
			-	VM	358.00	-			
MILEJ	274429.51N-0821101.78W	Y	FB	DF	-	-			
CROWD	274001.46N-0815740.19W	Y	FB	TF	110.54	12.67			
RW01R (AER)	275751.52N-0823144.37W	N	-	-	-	-			
540 MSL			-	VA	001.73	-			CG 500 FT/NM TO 540
			-	VM	358.00	-			
MILEJ	274429.51N-0821101.78W	Y	FB	DF	-	-			

QUALITY
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CHECKED

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CROWD				EIGHT		CROWD8.CROWD		SEVEN		06/25/2015		03 JAN 2019	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
CROWD	274001.46N-0815740.19W	Y	FB	TF	110.54	12.67							
RW10 (AER)	275814.99N-0823209.90W	N	-	-	-	-							
540 MSL			-	VA	091.73	-			CG 500 FT/NM TO 900				
			-	VM	088.00	-							
MILEJ	274429.51N-0821101.78W	Y	FB	DF	-	-							
CROWD	274001.46N-0815740.19W	Y	FB	TF	110.54	12.67							
RW28 (AER)	275812.89N/0823051.89W	N	-	-	-	-							
540 MSL			-	VA	271.74	-			CG 500 FT/NM 600				
			-	VM	268.00	-							
MILEJ	274429.51N-0821101.78W	Y	FB	DF	-	-							
CROWD	274001.46N-0815740.19W	Y	FB	TF	110.54	12.67							
CROWD	274001.46N-0815740.19W	Y	-	IF	-	-			CROWD7.HALLR				
HALLR	273240.81N-0813555.77W	Y	FB	TF	110.68	20.66							

