

**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SUPERSEDED NUMBER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>
KNOST	ONE	KNOST1.KNOST	NONE		<i>12 AUG 2021</i>

<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 ON HEADING 003.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO CROSS WOBAD AT 6000 THENCE...

TAKEOFF RWY 10: CLIMB ON HEADING 096.73 TO 540, THEN ON HEADING 093.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO CROSS WOBAD AT 6000 THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 276.74 TO 540, THEN ON HEADING 273.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO CROSS WOBAD AT 6000 THENCE...

...ON TRACK 272.46 TO LOREC, THEN ON TRACK 272.35 TO KNOST. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN 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>
CIGAR	KNOST1.CIGAR	KNOST	CIGAR	TRACK 252.57	78.50	18000	1300	
REMIS	KNOST1.REMIS	KNOST	REMIS	TRACK 271.33	97.74	18000	1300	

**PROCEDURAL DATA NOTES:**

NOTE: RNAV 1

NOTE: JETS ONLY.

NOTE: RADAR REQUIRED.

NOTE: GPS REQUIRED.

**TAKEOFF MINIMUMS:**

RWY 19L, 19R: NA - ATC.

RWY 1L, 1R, 10, 28: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

**TAKEOFF OBSTACLES NOTES:**

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

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

REFERENCE MAG VAR: KTPA 5W EPOCH YEAR: 2010

CHART: TOP ALTITUDE: 6000

DME/DME ASSESSMENT: NOT CONDUCTED.

**AIRPORTS SERVED:**

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

QUALITY  
24  
CHECKED

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
KNOST	ONE	KNOST1.KNOST	NONE		<b>12 AUG 2021</b>

**COMMUNICATIONS:**

ATIS, KTPA ATCT, CLNC DEL, KTPA DEP CON, GND CON

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

RWY 10 MINIMUM OBSTACLE CLIMB GRADIENT 243 FT/NM TO 800, BUT IS MITIGATED BY LNAV ENGAGEMENT CLIMB GRADIENT OF 500 FT/NM TO 540.

**FLIGHT INSPECTED BY***Digitally signed by*

JEFFREY ECKMAN

**JOHN BORDY**

May 24, 2021

**OFFICE****DATE**

FICO

05/23/2021

**DEVELOPED BY***Digitally signed by*

JOHN BORDY (STEVEN WINNER)

**JOHN BORDY**

May 24, 2021

**OFFICE****DATE**

AJV-A422

02/04/2021

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

May 24, 2021

**OFFICE****DATE**

AJV-A420

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:****A4A** ☒**ALPA** ☒**AOPA** ☒**APA** ☒**HAI** ☐**NBAA** ☒**OTHER:**ZJX, ZMA, TPA APP CON, TPA ATCT, AMGR.**CHANGES - REASONS:**

QUALITY  
24  
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>ACTUAL EFFECTIVE DATE</u>
KNOT		ONE		KNOT1.KNOT		NONE			<i>12 AUG 2021</i>
<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>
RW01L (AER)	275747.86N/0823232.48W	N	-	-	-	-			
540 MSL	-	-	-	VA	001.73	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	358.00	-			
RW01R (AER)	275751.52N/0823144.37W	N	-	-	-	-			
540 MSL	-	-	-	VA	001.73	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	358.00	-			
RW10 (AER)*	275814.84N/0823204.35W*	N	-	-	-	-			*DISPL THLD (498.0 FT)
540 MSL	-	-	-	VA	091.73	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	088.00	-			
RW28 (AER)	275812.89N/0823051.88W	N	-	-	-	-			
540 MSL	-	-	-	VA	271.74	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	268.00	-			
COMMON ROUTE									
WOBAD	280115.15N/0825556.75W	Y	-	IF	-	-	AT 6000		
LOREC	280037.17N/0831138.49W	Y	FB	TF	267.46	13.91			
KNOT	280002.55N/0832523.99W	Y	FB	TF	267.35	12.19			

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<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
KNOT		ONE		KNOT1.KNOT		NONE			<i>12 AUG 2021</i>
<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>
TRANSITIONS									
KNOT	280002.55N/0832523.99W	Y	-	IF	-	-			KNOT1.CIGAR
CIGAR	272936.61N/0844659.51W	Y	FB	TF	247.57	78.50			
KNOT	280002.55N/0832523.99W	Y	-	IF	-	-			KNOT1.REMIS
REMIS	275302.59N/0851528.39W	Y	FB	TF	266.33	97.74			

QUALITY  
24  
CHECKED