

**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SUPERSEDED NUMBER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	TWO	KNOST2.KNOST	ONE	8/12/2021	19 May 2022

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

This is a corrected copy of the procedure published in NFDD 063.
** See page 2 for details. **

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	KNOST2.CIGAR	KNOST	CIGAR	TRACK 252.57	78.50	18000	1300	
REMIS	KNOST2.REMIS	KNOST	REMIS	TRACK 271.33	97.74	18000	1300	

PROCEDURAL DATA NOTES:

ATC ASSIGNED ONLY.

JETS ONLY.

PBN REQUIREMENTS NOTES:

RNAV 1 - GPS.

GPS REQUIRED.

EQUIPMENT REQUIREMENT NOTES:

RADAR 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:**MSA:****LOST COMMUNICATIONS PROCEDURES:**

<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SUPERSEDED NUMBER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	TWO	KNOST2.KNOST	ONE	8/12/2021	19 May 2022

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 6000

DME/DME ASSESSMENT: NOT CONDUCTED.

AIRPORTS SERVED:

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

COMMUNICATIONS:

CHART: ATIS, KTPA ATCT, CLNC DEL, GND CON, CPDLC

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

ABBREVIATED AMENDMENT.

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

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

OFFICE **DATE***Digitally signed by***JASON KRETSCHMER**

Apr 08, 2022

DEVELOPED BY

DALE SICKELS

*Digitally signed by***DALE P SICKELS**

Apr 08, 2022

OFFICE **DATE**

AJV-A421

01/20/2022

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JASON KRETSCHMER**

Apr 08, 2022

OFFICE **DATE**

AJV-A420

TITLE

MANAGER

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

REASON FOR AMENDMENT: ADDED NOTE "ATC ASSIGNED ONLY" AND CANCELLED FDC 1/1157 - ATC REQUEST DUE TO ATC CONFLICT AND COMPLEXITY.

PROCEDURAL DATA NOTES: DELETED "RNAV 1", "GPS REQUIRED", AND "RADAR REQUIRED" - IAW 8260.46H, PARA 2-1-1.F.

PBN REQUIREMENTS NOTES: ADDED "RNAV 1 - GPS" AND "GPS REQUIRED" - IAW 8260.46H, PARA 2-1-1.F.(6). AND APPENDIX E, SECTION 1, PARA 12.D.

EQUIPMENT REQUIREMENT NOTES: ADDED "RADAR REQUIRED" - IAW 8260.46H, PARA 2-1-1.F.

ADDITIONAL FLIGHT DATA: REMOVED NOTE "REFERENCE MAG VAR: KTMB 06W EPOCH YEAR 2010" - NO LONGER REQUIRED PER 8260.46H.

COMMUNICATIONS: ADDED "CHART" BEFORE LIST OF AGENCIES AND REMOVED "KTPA DEP CON" - IAW 8260.46H, APPENDIX E, SECTION 1, PARA 14.

REMARKS: ADDED "ABBREVIATED AMENDMENT" - IAW 8260.46H, APPENDIX D, SECTION 2, PARA 17.C.

03/16/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/23/22:

1. CHANGED TRANSITION COMPUTER CODES FROM "KNOST1" TO "KNOST2".

04/08/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/16/22:

1. ADDED CPDLC TO COMMUNICATIONS.

QUALITY
47
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		TWO		KNOT2.KNOT		ONE		8/12/2021	19 May 2022
<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			

QUALITY
2
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>
KNOT		TWO		KNOT2.KNOT		ONE		8/12/2021	19 May 2022
<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	-	-			KNOT2.CIGAR
CIGAR	272936.61N/0844659.51W	Y	FB	TF	247.57	78.50			
KNOT	280002.55N/0832523.99W	Y	-	IF	-	-			KNOT2.REMIS
REMIS	275302.59N/0851528.39W	Y	FB	TF	266.33	97.74			

QUALITY
2
CHECKED