


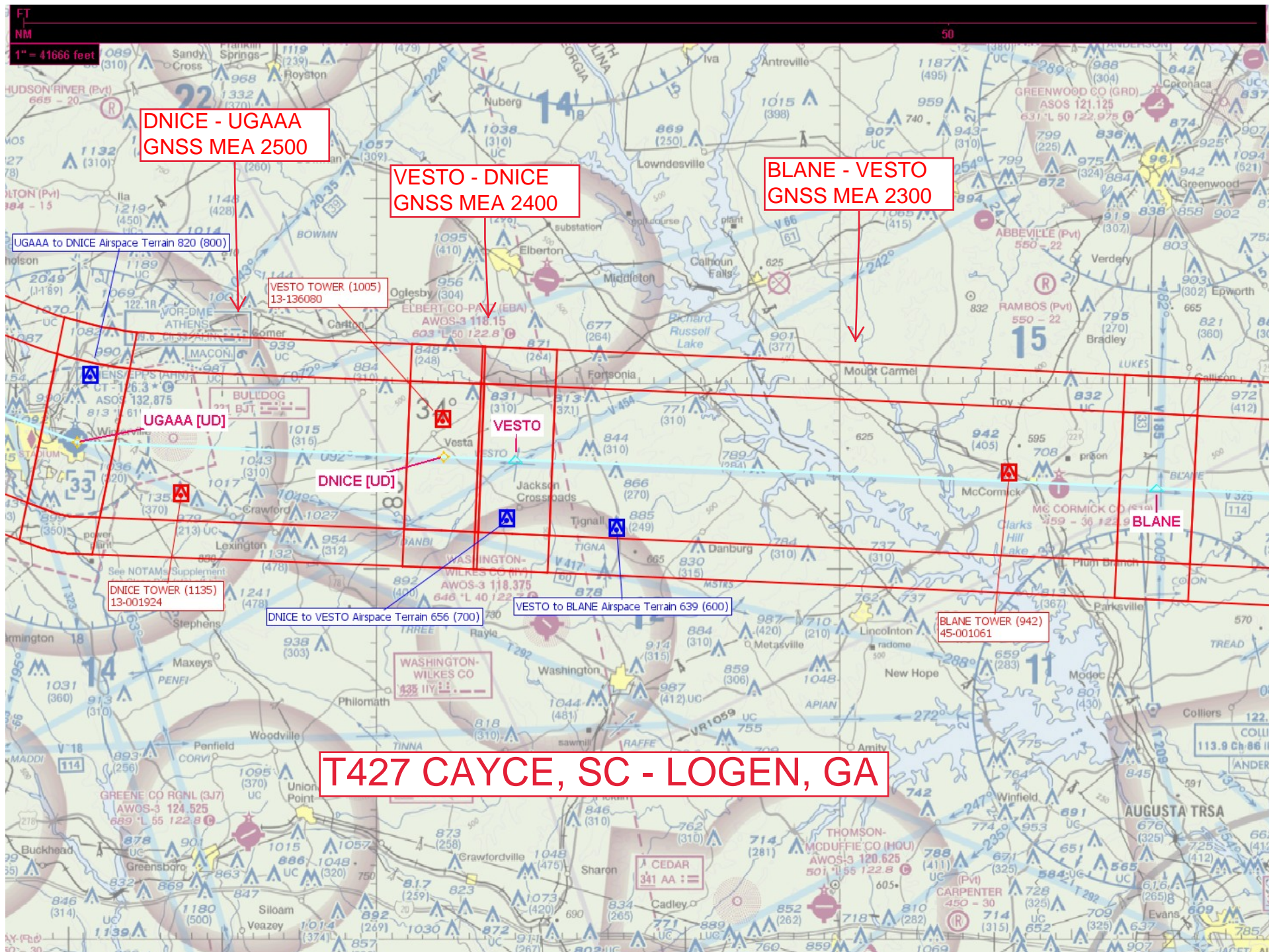
Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: Route	Estimated Chart Date: 05/19/2022	APWS Task ID: F8FDB1CA10134407B8225B302C1E68C7	APWS Project ID: AB20523E2D624A4AB8052EEE9E2BA08F
Procedure: T 427 CAYCE, SC TO LOGEN, GA		Enroute: YES	Specialist: Kaczka, Anthony		Agreement Number:
Airport ID:			Airport City:		State:
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<p><b>Procedure Comments:</b>  AIRWAY STARTING POINT: CAYCE, SC 335126.13N/0810314.76W</p> <p>T427 NEW AIRWAY/ROUTING</p> <p>AIRSPACE DOCKET: 21-ASO-7</p> <p>CONTACT: JON DENTON, 405.954.5467</p>					



Digitally signed by  
**PABLO ORTIZ-JR**  
Feb 10, 2022

<b>FIPC BASIC FORM</b>							
<b>PROCEDURE:</b> T 427 CAYCE, SC TO LOGEN, GA			<b>AIRPORT NAME:</b>		<b>AIRPORT ID:</b>	<b>SPECIAL CONTROL NO:</b> AG-03-009-22	
<b>FAC ID:</b> T427		<b>CITY:</b>			<b>ST:</b> SC	<b>ORIG CHART DATE:</b> 07/14/2022	
<b>DFL TYPE:</b> PROC/N	<b>THIRD PARTY:</b> <input type="checkbox"/> YES	<b>EST. TIME ON SITE:</b> 0.5	<b>REIMB. NUMBER:</b> AC0721	<b>PTS TASK ID:</b>			
<b>PREFLIGHT NOTES</b>							
<b>REVIEWER:</b>					<b>DATE:</b>		
<b>COMMENTS:</b>					<b>CHECK ONE:</b> <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT		
					<b>YES</b>		<b>NO</b>
					<b>CPV COMPLETE?</b>		<b>X</b>
<b>PROCEDURE RESULTS</b>							
<b>INSPECTION DATE:</b> 04/14/2022	<b>CREW #:</b> VN502	<b>N #:</b> N72	<b>INSTRUMENT PROCEDURE STATUS:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		<b>ARINC CODING:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT		
<b>FLIGHT INSPECTOR SIGNATURE:</b> troy e devine @ 04/14/2022 15:23			<b>PRINTED NAME:</b> DEVINE, TROY ELLEN			<b>NOTAM INITIATED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>FLIGHT INSPECTOR REMARKS:</b> AG-03-009-22 T427 flown SAT. Comms, obstructions clearances and GNSS all good at procedural altitudes. VESTO, DNICE, UGAAA, ONLY, WOMAC flown. WOMAC to LOGEN leg not required due to new procedural altitude higher than overlaying V222-325 MEA. Note: UGAAA altitude of 2700' is below KAHN class D of 3300'.							
<b>IN-FLIGHT OBSTACLE REPORT</b>							
<b>OBSTRUCTION ID #:</b>	<b>COORDINATES OR LOCATION:</b>	<b>GNSS ALTITUDE (MSL):</b>	<b>BAROMETRIC ALTITUDE (MSL):</b>	<b>HEIGHT ABOVE GROUND LEVEL:</b>			





**1" = 41666 feet**

WOMAC - LOGEN  
GNSS MEA 4100

LOGEN to WOMAC Airspace Terrain 1272 (1300)

WOMAC to ONLY Airspace Terrain 1315 (1300)

WOMAC TOWER (2062)  
13-001098

ONLY TOWER (2654)  
13-001170

UGAAA to DNICE Airspace Terrain 820 (800)

ONLY

WOMAC

LOGEN

UGAAA TERRAIN+AAO (1263)  
TP28 CONLY

ONLY to UGAAA Airspace Terrain 997 (1000)

ONLY - WOMAC  
GNSS MEA 4700

UGAAA [UDT]

DNICE TOWER (1135)  
13-001924

T427 CAYCE, SC - LOGEN, GA

**FAA EASTERN SERVICE CENTER, AIR TRAFFIC DIVISION**  
**CATEGORICAL EXCLUSION**

**Description of Federal Action:**

The Federal Aviation Administration (FAA) will amend Tango (T) routes T-224, 258, and 323 and develop T-323, 404, 406, 408, 410, 412, 414, 423, 425, 427 and 429 as part of the VOR MON project pursuant to Federal Airspace Docket; 21-ASO-7.

**T-224 Amend:**

Will overlay the existing T-224 route from the Palacios (PSX), Texas VORTAC navigational aid (navaid) to the Lake Charles (LCH), Louisiana VORTAC navaid, overlay the V20 airway from the LCH VORTAC to the Montgomery (MGM), Alabama VORTAC and from the Columbus (CSG), Georgia VORTAC navaid to waypoint (wp) NUTTS, and overlay the proposed T320 (evaluated Aug 2018) route from wp NUTTS to wp COLIN. The amended T-224 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at PSX VORTAC then to MOLLR, DAFLY, KJAAY, SLIDD, WTERS, LYNRD, AXEJA, WILL, MGMRY, GONDR, SINCA, UGAAA, ECITY, STYLZ, BONZE, MCDON, NUTTS, WAVES, TAPPA, and terminating at wp COLIN, proceeding from west to east.

**T-258 Amend:**

Will overlay the existing T-258 route from wp MINIM to wp CANER, overlay V20 from wp CANER to the Athens (AHN), Georgia VORTAC and overlay V66 from AHN VORTAC to wp NATCH. The amended T-258 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at MINIM then to CRMSN, BRAVS, CANER, SINCA, UGAAA, HRTWL, NATCH and terminate at SMIRF proceeding from west to east.

**T-323 Amend:**

Will begin at wp MARQO, 126 nm south of the existing T-323 wp CROCS starting point, overlay the existing V157 airway from WIWHE north to the Waycross (AYS), Georgia VORTAC navaid, overlay the existing T-323 route from wp CROCS north to wp BOBBR, and overlay approximately 19 nm of the existing T-323 airway north of wp KIDBE. The amended T-323 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at MARQO then to LRSEY, CROCS, HELNN, OCOEE, KNITS, CRECY and terminating at DACEL proceeding from south to north.

**T-404 Development:**

Will begin at wp TYGRR, overlay the V323 airway from the Eufaula (EUF), Georgia VORTAC navaid to the Macon (MCN), Georgia VORTAC navaid, then overlay the V56 airway from the MCN VORTAC navaid to the Columbia (CAE), South Carolina VORTAC navaid. The developed T-404 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at TYGRR, NOKIE, WANSA and terminating at CAYCE proceeding from west to east.

**T-406 Development:**

Will begin at wp KNZLY then overlay the V70 airway from the St Charles (LCH), Louisiana VORTAC navaid to wp RUTEL and from the Vienna (VNA), Georgia VORTAC navaid to the Allendale (ALD), South Carolina VORTAC navaid.

**FAA EASTERN SERVICE CENTER, AIR TRAFFIC DIVISION**  
**CATEGORICAL EXCLUSION**

**T-406 Development: (Continued)**

The developed T-406 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at KNZLY, DAFLY, RCOLA, PELLO, GARTS, WILL, RUTEL, DOOLY and terminating at DURBE proceeding from west to east.

**T-408 Development:**

Will begin at wp NOKIE then overlay the V154 airway from the Macon (MCN), Georgia VORTAC navaid to the Savannah (SAV), Georgia VORTAC navaid. The developed T-408 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at NOKIE then to GUMPY, LOTTTS and terminating at TBERT proceeding from west to east.

**T-410 Development:**

Will begin at wp SINCA then overlay the V155 airway from SINCA to WIDER. The developed T-410 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at SINCA then to WANSA and terminating at WIDER proceeding from west to east.

**T-412 Development:**

Will begin at wp KNZLY then overlay the V222 airway from WRACK to the Monroeville (MVC), Alabama VORTAC navaid. The developed T-412 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at KNZLY then to ICKEKI, SSLAW, WIILL, HHRVY, BRAVS and terminating at TIROE proceeding from west to east.

**T-414 Development:**

Will begin at wp LOGEN then overlay the V222 airway from LOGEN to AYARA. The developed T-412 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at LOGEN, MILBY, STYLZ, BONZE, AYARA and terminating at BOJAR proceeding from west to east.

**T-423 Development:**

Will begin at wp STYLZ then overlay the V35 airway from the Sugarloaf (SUG) Mountain VORTAC navaid, Ashville, North Carolina to the Charleston (HVA), West Virginia VOR/DME navaid. The developed T-423 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at SYTLZ then to GAUZY and terminating at HVQ VOR/DME proceeding from south to north.

**T-425 Development:**

Will begin at wp SIROC then overlay the V362 airway from the Brunswick (SSI) VORTAC navaid, St Simons Island, Georgia to wp HABLE, overlay V267 from HABLE to wp CROCS. The developed T-425 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at SIROC then to HABLE, CROCS, RIPPI, WEMOB and terminating at HUSKY proceeding from south to north.

**FAA EASTERN SERVICE CENTER, AIR TRAFFIC DIVISION**  
**CATEGORICAL EXCLUSION**

**T-427 Development:**

Will begin at wp CAYCE then overlay the V325 airway to wp LOGEN. The developed T-427 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at CAYCE then to UGAAA, WOMAC and terminating at LOGEN proceeding from east to west.

**T-429 Development:**

Will begin at wp HOKES then overlay the V325 airway from Gadsden (GAD), Alabama VOR/DME navaid to the Muscle Shoals (MSL), Alabama VORTAC navaid. The developed T-429 final routing structure will consist of a combination of waypoints, fixes and or navigational aids beginning at HOKES and terminating at HAGIE proceeding from east to west.

**Purpose and Need:**

The purpose and need for the proposed action is to improve the efficiency of the National Airspace System and remove the dependency of ground base navigation.

**Basis for this Determination:**

An environmental review was conducted to ensure that the federal action is in compliance with the National Environmental Policy Act and its implementing regulations. This review was conducted in accordance with policies and procedures in FAA Order 1050.1F, "Environmental Impacts: Policies and Procedures."

**Declaration of Exclusion:**

The FAA has reviewed the above referenced federal action and it has been determined, by the undersigned, to be categorically excluded from further environmental documentation as it is not expected to impact environmental resource categories including extraordinary circumstances as described in FAA Order 1050.1F, "Environmental Impacts: Policies and Procedures."

**The Applicable Categorical Exclusion is:**

- §5-6.5 (a): Rulemaking actions that designate or modify classes of airspace areas, airways, routes, and reporting points (see 14 CFR part 71, Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes; and Reporting Points). (ATO)
- §5-6.5 (b): Actions regarding establishment of jet routes and Federal airways (see 14 CFR § 71.15, Designation of jet routes and VOR Federal airways); operation of civil aircraft in a defense area, or to, within, or out of the United States through a designated Air Defense Identification Zone (ADIZ) (14 CFR part 99, Security Control of Air Traffic); authorizations for operation of moored balloons, moored kites, amateur rockets, and unmanned free balloons (see 14 CFR part 101, Moored Balloons, Kites, Amateur Rockets and Unmanned Free Balloons); and, authorizations of parachute jumping and inspection of parachute equipment (see 14 CFR part 105, Parachute Operations). (ATO)

**FAA EASTERN SERVICE CENTER, AIR TRAFFIC DIVISION  
CATEGORICAL EXCLUSION**

Reviewed by:



Date September 8, 2021

Chuck Armstead  
Environmental Protection Specialist  
Environmental, CI and NAS Analytics (ECINA)  
Eastern Service Center Air Traffic Organization (AJV-E25)  
Phone: Office: (404)-305-6692

Approved by:



Date September 8, 2021

Charles Gibson  
Manager  
Environmental, CI and NAS Analytics (ECINA)  
Eastern Service Center Air Traffic Organization (AJV-E25)  
Phone: Office: (404)-305-5618

**ATTACHMENTS**

Airspace Docket No. 21-ASO-7 Memo\_GM  
T224 AMEND MINUS ONE\_ATS\_Route\_Memo\_210630  
T258 AMEND ATS MINUS ONE\_Route\_Memo\_210630  
T323 AMEND MINUS ONE\_ATS\_Route\_Memo\_210630  
T404 MINUS ONE\_ATS\_Route\_Memo\_210630  
T406 MINUS ONE\_ATS\_Route\_Memo\_210630  
T408 MINUS ONE\_ATS\_Route\_Memo\_210630  
T410 MINUS ONE\_ATS\_Route\_Memo\_210701  
T412 MINUS ONE\_ATS\_Route\_Memo\_210630  
T414 MINUS ONE\_ATS\_Route\_Memo\_210630  
T423 MINUS ONE\_ATS\_Route\_Memo\_210630  
T425 MINUS ONE\_ATS\_Route\_Memo\_210630  
T427 MINUS ONE\_ATS\_Route\_Memo\_210630  
T429 MINUS ONE\_ATS\_Route\_Memo\_210630



# Federal Aviation Administration

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## Memorandum

Date: July 8, 2021

To: George Gonzalez, Acting Manager, Rules & Regulations Group, AJV-P2

From: Matthew N. Cathcart, Acting Manager, Operations Support Group,  
Eastern Service Center, AJV-E2

Subject: **ACTION:** Airway Actions, Airspace Docket No. 21-ASO-7

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The Operations Support Group (OSG), Eastern Service Center (ESC), requests the following airway actions, Airspace Docket No. 21-ASO-7. The following airway actions are in support of the Very High Frequency Omni-directional Range Minimum Operational Network Program.

<b>T-224 [AMEMEND]</b>	<b>T-412 [NEW]</b>
<b>T-258 [AMENDED]</b>	<b>T-414 [ NEW]</b>
<b>T-323 [AMENDED]</b>	<b>T-423 [NEW]</b>
<b>T404 [NEW]</b>	<b>T-425 [NEW]</b>
<b>T-406 [NEW]</b>	<b>T-427 [NEW]</b>
<b>T-408 [NEW]</b>	<b>T-429 [NEW]</b>
<b>T-410 [NEW]</b>	

The implementation of the routes will reduce the National Airspace System dependency on ground based navigational systems and assist with the transition to a more efficient Performance Based Navigation route structure.

The OSG, ESC recommends action be initiated for the listed airway actions with an effective date of May 19, 2022. The legal descriptions are indicated within the attachment; the changes are in bold, strikethrough indicates what is to be removed from the legal description and is shown on the attachment for clarity.

If you have any questions on this matter, please contact Melinda George, Support Specialist, Operations Support Group, Eastern Service Center, at (404) 305-5610 or [melinda.a.george@faa.gov](mailto:melinda.a.george@faa.gov).

Attachment:  
Legal Descriptions

cc: Paul Gallant  
Sean Hooks



## Federal Aviation Administration

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### Memorandum

Date: 6/21/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T224 Amendment

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T224 Amendment is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T224 is being amendmend by overlaying V20 from LCH VORTAC to COLIN.

The segment between MGM VORTAC and CSG VORTAC (70NM) is moving slightly south ranging from less than 1NM to less than 5NM.

The segment between NUTTS and COLIN (95NM) is moving slightly west ranging from less than 1NM to less than 8NM.

CLEVA and ELLID (ZTL) and LELLI, MELIA, RIC VORTAC, SVILL (ZDC) are not being used in this route.

MUTWO is being used to replace BPT VORTAC and is located 60 feet east of BPT VORTAC.

KNZLY is being used to replace LCH VORTAC and is located 60 feet east of LCH VORTAC.

DAFLY is being used to replace LFT VORTAC and is located 60 feet west of LFT VORTAC.

KJAAY is being used to replace RQR VORTAC and is located 60 feet west of RQR VORTAC.

WTERS is being used to replace GPT VORTAC and is located 60 feet west of GPT VORTAC.

LYNRD is being used to replace SJI VORTAC and is located 60 feet southwest of SJI VORTAC.

WIILL is being used to replace MVC VORTAC and is located 60 feet northeast of MVC VORTAC.

MGMRY is being used to replace MGM VORTAC and is located 60 feet north of MGM VORTAC.

RSVLT is being used to replace CSG VORTAC and is located 60 feet north of CSG VORTAC.

UGAAA is being used to replace AHN VORTAC and is located 60 feet east of AHN VORTAC.

ECITY is being used to replace ELW VORTAC and is located 60 feet north of ELW VORTAC.

STYLZ is being used to replace SUG VORTAC and is located 60 feet SOUTH of SUG VORTAC.

BONZE is being used to replace BZM VORTAC and is located 200 feet northeast of BZM VORTAC.

MCDON is being used to replace SBV VORTAC and is located 60 feet south of SBV VORTAC.

**T224 Amend PALACIOS, TX to COLIN, VA [Amended]**

PALACIOS, TX (PSX)	VORTAC	(lat. 28°45'51.93"N., long. 096°18'22.25"W.)
MOLLR, TX	WP	(lat. 29°39'20.23"N., long. 095°16'35.83"W.)
<del>LAKE CHARLES, LA (LCH)</del>	<del>VORTAC</del>	<del>(lat. 30°08'29.45"N., long. 093°06'20.05"W.)</del>
DAFLY, LA	WP	(lat. 30°11'37.70"N., long. 091°59'33.94"W.)
KJAAY, LA	WP	(lat. 30°05'15.06"N., long. 090°35'19.73"W.)
SLIDD, LA	FIX	(lat. 30°09'46.08"N., long. 089°44'02.18"W.)
WTERS, MS	WP	(lat. 30°24'24.36"N., long. 089°04'37.04"W.)
LYNRD, AL	WP	(lat. 30°43'33.26"N., long. 088°21'34.07"W.)
AXEJA, AL	FIX	(lat. 31°02'32.36"N., long. 087°57'01.58"W.)
WILL, AL	WP	(lat. 31°27'33.96"N., long. 087°21'08.62"W.)
MGMRY, AL	WP	(lat. 32°13'20.78"N., long. 086°19'11.24"W.)
GONDR, AL	WP	(lat. 32°22'01.98"N., long. 085°45'57.08"W.)
SINCA, GA	FIX	(lat. 33°04'52.28"N., long. 083°36'17.52"W.)
UGAAA, GA	WP	(lat. 33°56'51.32"N., long. 083°19'28.42"W.)
ECITY, SC	WP	(lat. 34°25'09.62"N., long. 082°47'04.58"W.)
STYLZ, NC	WP	(lat. 35°24'22.83"N., long. 082°16'07.01"W.)
BONZE, NC	WP	(lat. 35°52'09.16"N., long. 081°14'24.10"W.)
MCDON, VA	WP	(lat. 36°40'29.56"N., long. 079°00'52.03"W.)
NUTTS, VA	FIX	(lat. 37°04'34.16"N., long. 078°12'13.69"W.)
WAVES, VA	WP	(lat. 37°35'13.54"N., long. 077°26'52.03"W.)
TAPPA, VA	FIX	(lat. 37°58'12.66"N., long. 076°50'40.62"W.)
COLIN, VA	FIX	(lat. 38°05'59.23"N., long. 076°39'50.85"W.)



# Federal Aviation Administration

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## Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T258 Amendment

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T258 Amendment is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T258 is being amended by extending it northeast from CANER to SMIRF. It overlays V66 from CANER to SDZ VORTAC.

OKW VORTAC is being replaced by DAYVS WP. DAYVS WP is located 2.41NM east of OKW VORTAC.

LGC VORTAC is being replaced by BRAVS and is located 60 feet southwest of LGC VORTAC.

UGAAA is being used on this route in place of AHN VORTAC and is located 60 feet east of AHN VORTAC.

HRTWL is being used on this route in place of GRD VORTAC and is located 60 feet southwest of GRD VORTAC.

SMIRF is being used on this route in place of SDZ VORTAC and is located 1.16NM southeast of SDZ VORTAC.

### **T258 Amend MINIM, AL to SMIRF, NC [Amended]**

MINIM, AL	FIX	(lat. 33°32'31.14"N., long. 088°02'23.62"W.)
CRMSN, AL	WP	(lat. 33°15'31.80"N., long. 087°32'12.70"W.)
<b>BRAVS, GA</b>	<b>WP</b>	<b>(lat. 33°02'56.44"N., long. 085°12'22.93"W.)</b>
<del>LAGRANGE, GA (LGC)</del>	<del>VORTAC</del>	<del>(lat. 33°02'56.83"N., long. 085°12'22.40"W.)</del>
CANER, GA	FIX	(lat. 32°45'21.48"N., long. 084°35'51.42"W.)
<b>SINCA, GA</b>	<b>FIX</b>	<b>(lat. 33°04'52.28"N., long. 083°36'17.52"W.)</b>
<b>UGAAA, GA</b>	<b>WP</b>	<b>(lat. 33°56'51.32"N., long. 083°19'28.42"W.)</b>
<b>HRTWL, SC</b>	<b>WP</b>	<b>(lat. 34°15'05.33"N., long. 082°09'15.55"W.)</b>
<b>NATCH, NC</b>	<b>FIX</b>	<b>(lat. 35°01'34.52"N., long. 080°06'29.28"W.)</b>
<b>SMIRF, NC</b>	<b>WP</b>	<b>(lat. 35°12'23.01"N., long. 079°34'01.98"W.)</b>



# Federal Aviation Administration

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## Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T323 Amendment

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T323 Amendment is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T323 is being amended by ending the northern portion at DACEL and extending it south to MARQO.

DACEL is being used to replace AZQ DME and is located 0.78NM from AZQ DME.

The segment between BIGNN and KIDBE (140NM) is shifting west from less than 1NM at BIGNN to less than 9NM between the segment HIGGI to KIDBE.

ZPPLN, HIGGI, KIDBE and AZQ DME are being removed from this route.

### T323 Amend MARQO, FL to DACEL, KY [Amended]

MARQO, FL	WP	(lat. 30°30'53.57"N., long. 082°32'45.62"W.)
LRSEY, GA	WP	(lat. 31°16'09.34"N., long. 082°33'23.20"W.)
CROCS, GA	WP	(lat. 32°27'17.69"N., long. 082°46'29.06"W.)
<del>ZPPLN, NC</del>	<del>WP</del>	<del>(lat. 34°59'47.42"N., long. 083°49'37.73"W.)</del>
HELNN, NC	WP	(lat. 35°00'55.11"N., long. 083°52'09.85"W.)
<del>HIGGI, NC</del>	<del>WP</del>	<del>(lat. 35°26'46.57"N., long. 083°46'41.05"W.)</del>
<del>KIDBE, TN</del>	<del>WP</del>	<del>(lat. 35°51'16.23"N., long. 083°40'19.66"W.)</del>
OCOEE, NC	WP	(lat. 35°07'34.11"N., long. 083°53'45.00"W.)
KNITS, TN	FIX	(lat. 35°41'01.18"N., long. 083°53'58.56"W.)
CRECY, TN	WP	(lat. 35°58'52.61"N., long. 083°38'24.36"W.)
<del>AZQ DME, KY</del>	<del>WP</del>	<del>(lat. 37°23'28.52"N., long. 083°15'46.83"W.)</del>
DACEL, KY	WP	(lat. 37°23'10.68"N., long. 083°14'52.13"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T404

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T404 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T404 is an overlay of V323 from EUF VORTAC to MCN VORTAC and V56 from MCN VORTAC to CAE VORTAC.

TYGRR is being used to replace EUF VORTAC and is located 60 feet northeast of EUF VORTAC.

NOKIE is being used to replace MCN VORTAC and is located 60 feet north of MCN VORTAC.

WANSa is being used to replace IRQ VORTAC and is located 60 feet southwest of IRQ VORTAC.

CAYCE is being used to replace CAE VORTAC and is located 60 feet west of CAE VORTAC.

#### **T404 TYGRR\_, AL to CAYCE, SC [New]**

TYGRR_, AL	WP	(lat. 31°57'01.21"N., long. 085°07'49.13"W.)
NOKIE, GA	WP	(lat. 32°41'28.86"N., long. 083°38'49.88"W.)
WANSa, SC	WP	(lat. 33°42'26.10"N., long. 082°09'43.99"W.)
CAYCE, SC	WP	(lat. 33°51'26.13"N., long. 081°03'14.76"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T406

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T406 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T406 overlays V70 from LCH VORTAC east to ALD VOR.

KNZLY is being used in place of LCH VORTAC and is located 60 feet east of LCH VORTAC.  
DAFLY is being used in place of LFT VORTAC and is located 60 feet west of LFT VORTAC.  
RCOLA is being used in place of LSU VORTAC and is located 60 feet east of LSU VORTAC.  
PELLO is being used in place of PCU VORTAC and is located 60 feet west of PCU VORTAC.  
GARTS is being used in place of GCV VORTAC and is located 60 feet west of GCV VORTAC.  
WIILL is being used in place of MCV VORTAC and is located 60 feet east of MCV VORTAC.

TYGRR is being used in place of EUF VORTAC and is located 60 feet east of EUF VORTAC.  
DOOLY is being used in place of VNA VORTAC and is located 60 feet west of VNA VORTAC.  
DURBE is being used in place of ALD VOR and is located 60 feet southwest of ALD VOR.

#### **T406 KNZLY, LA to DURBE, SC [New]**

KNZLY, LA	WP	(lat. 30°08'29.48"N., long. 093°06'19.37"W.)
DAFLY, LA	WP	(lat. 30°11'37.70"N., long. 091°59'33.94"W.)
RCOLA, LA	WP	(lat. 30°29'06.52"N., long. 091°17'37.96"W.)
PELLO, MS	WP	(lat. 30°33'40.17"N., long. 089°43'50.44"W.)
GARTS, MS	WP	(lat. 31°05'52.39"N., long. 088°29'10.68"W.)
WIILL, AL	WP	(lat. 31°27'33.96"N., long. 087°21'08.62"W.)
RUTEL, AL	FIX	(lat. 31°42'57.69"N., long. 086°21'36.33"W.)
DOOLY, GA	WP	(lat. 32°12'48.02"N., long. 083°29'50.66"W.)
DURBE, SC	WP	(lat. 33°00'44.75"N., long. 081°17'32.69"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T408

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T408 Amendment is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T408 overlays V154 from MCN VORTAC to SAV VORTAC.

NOKIE is being used in place of MCN VORTAC and is located 60 feet north of MCN VORTAC.

GUMPY is being used in place of DBN VORTAC and is located 60 feet southwest of DBN VORTAC.

TBERT is being used in place of SAV VORTAC and is located 60 feet northwest of SAV VORTAC.

#### **T408 NOKIE, GA to TBERT, SC [New]**

NOKIE, GA	WP	(lat. 32°41'28.86"N., long. 083°38'49.88"W.)
GUMPY, GA	WP	(lat. 32°33'48.15"N., long. 082°49'48.76"W.)
LOTTS, GA	FIX	(lat. 32°20'11.64"N., long. 081°51'18.42"W.)
TBERT, SC	WP	(lat. 32°08'46.76"N., long. 081°11'57.44"W.)



## Federal Aviation Administration

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### Memorandum

Date: 7/1/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T410

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T410 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T410 overlays V155 from SINCA to WIDER.

WANSA is being used in place of IRQ VORTAC and is located 60 feet southwest of IRQ VORTAC.

#### **T410 SINCA, GA to WIDER, SC [New]**

SINCA, GA	FIX	(lat. 33°04'52.28"N., long. 083°36'17.52"W.)
WANSA, SC	WP	(lat. 33°42'26.10"N., long. 082°09'43.99"W.)
WIDER, SC	FIX	(lat. 34°09'27.05"N., long. 081°16'26.39"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/15/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T412

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T412 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T412 is overlaying a portion of V20 from LCH VORTAC east to TIROE.

KNZLY is being used to replace LCH VORTAC and is located 60 feet east of LCH VORTAC.  
ICEKI is being used to replace MCB VORTAC and is located 60 feet east of MCB VORTAC.  
SSLAW is being used to replace LBY VORTAC and is located 60 feet west of LBY VORTAC.  
WIILL is being used to replace MVC VORTAC and is located 60 feet northeast of MVC VORTAC.  
MGMRY is being used to replace MGM VORTAC and is located 60 feet north of MGM VORTAC.  
BRAVS is being used to replace LGC VORTAC and is located 60 feet southwest of LGC VORTAC.

#### **T412 KNZLY, LA to TIROE, GA [New]**

KNZLY, LA	WP	(lat. 30°08'29.48"N., long. 093°06'19.37"W.)
ICEKI, MS	WP	(lat. 31°18'16.12"N., long. 090°15'28.85"W.)
SSLAW, MS	WP	(lat. 31°25'07.18"N., long. 089°20'16.05"W.)
WIILL, AL	WP	(lat. 31°27'33.96"N., long. 087°21'08.62"W.)
HHRVY, AL	WP	(lat. 32°57'47.52"N., long. 085°19'35.23"W.)
BRAVS, GA	WP	(lat. 33°02'56.44"N., long. 085°12'22.93"W.)
TIROE, GA	FIX	(lat. 33°18'23.23"N., long. 084°51'57.71"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Subject: T414

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T414 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T414 will overlay V222 from LOGEN to LYH.

MILBY will be used in place of ODF VORTAC and is located 1 NM southwest of ODF VORTAC.  
STYLZ will be used in place of SUG VORTAC and is located 60 feet south of SUG VORTAC.  
BONZE will be used in place of BZM VORTAC and is located 197 feet northeast of BZM VORTAC.  
BOJAR will be used in place of LYH VORTAC and is located 0.55 NM northwest of LYH VORTAC.

#### **T414 LOGEN, GA to BOJAR, VA [New]**

LOGEN, GA	FIX	(lat. 33°59'16.98"N., long. 084°03'24.43"W.)
MILBY, SC	WP	(lat. 34°41'02.23"N., long. 083°18'42.53"W.)
STYLZ, NC	WP	(lat. 35°24'22.83"N., long. 082°16'07.01"W.)
BONZE, NC	WP	(lat. 35°52'09.16"N., long. 081°14'24.10"W.)
AYARA, VA	FIX	(lat. 37°03'40.36"N., long. 079°31'24.92"W.)
BOJAR, VA	FIX	(lat. 37°15'43.97"N., long. 079°14'33.36"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T423

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T423 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T423 is an overlay of V35 from SUG VORTAC to HVQ VORTAC.  
STYLZ is being used to replace SUG VORTAC and is located 60 feet south of SUG VORTAC.  
HORAL is being used to replace HMV VORTAC and is located 60 feet north of HMV VORTAC.  
GAUZY is being used to replace GZG VORTAC and is located 60 feet south of GZG VORTAC.  
BUSIC is not being used in this route.

#### **T423 STYLZ, NC to CHARLESTON, WV**

STYLZ, NC	WP	(lat. 35°24'22.83"N., long. 082°16'07.01"W.)
GAUZY, VA	WP	(lat. 36°49'29.79"N., long. 082°04'44.40"W.)
CHARLESTON, WV (HVQ)	VOR/DME	(lat. 38°20'58.83"N., long. 081°46'11.69"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T425

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T425 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T425 is an overlay of V362 from SSI to HABLE and V179 from RIPPI to HUSKY.

T425 parallels V267 from HABLE northwest to CROCS. The difference in the segment from HABLE to CROCS (75NM) varies from 0.01NM to less than 1/2NM.

The segment from CROCS to RIPPI parallels V179 and varies in distance from less than 0.01NM to 2.50NM. SIROC is being used to replace SSI VORTAC and is located 60 feet northwest of SSI VORTAC.

#### **T425 SIROC, GA to HUSKY, GA [New]**

SIROC, GA	WP	(lat. 31°03'02.32"N., long. 081°26'45.89"W.)
HABLE, GA	FIX	(lat. 31°21'09.68"N., long. 082°06'09.96"W.)
CROCS, GA	WP	(lat. 32°27'17.69"N., long. 082°46'29.06"W.)
RIPPI, GA	FIX	(lat. 32°54'20.25"N., long. 083°20'19.52"W.)
WEMOB, GA	FIX	(lat. 33°16'06.20"N., long. 083°53'01.92"W.)
HUSKY, GA	FIX	(lat. 33°19'49.65"N., long. 083°58'48.75"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T427

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T427 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T427 overlays V325 from LOGEN to CAE.

UGAAA is being used to replace AHN VORTAC and is located 60 feet east of AHN VORTAC.

DNICE will be added to this route between the segment UGAAA and VESTO.

HUFMN will be added to this route between the segment BLANE and CAYCE.

CAYCE is being used to replace CAE VORTAC and is located 60 feet west of CAE VORTAC.

GOGBE is not being used on this route.

#### **T427 CAYCE, SC to LOGEN, GA [New]**

CAYCE, SC	WP	(lat. 33°51'26.13"N., long. 081°03'14.76"W.)
UGAAA, GA	WP	(lat. 33°56'51.32"N., long. 083°19'28.42"W.)
WOMAC, GA	FIX	(lat. 34°07'48.86"N., long. 083°54'20.77"W.)
LOGEN, GA	FIX	(lat. 33°59'16.98"N., long. 084°03'24.43"W.)



## Federal Aviation Administration

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### Memorandum

Date: 6/30/2021  
To:  
From:  
Prepared by: Steve Jubb  
Subject: T429

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T429 is part of the VOR MON Program to improve the efficiency of the NAS and remove the dependency of ground base navigation.

T429 is an overlay of V325 from GAD VORTAC to MSL VORTAC.  
GAD VORTAC, MSL VORTAC and KADZU are not being used in this route.  
After GAD VORTAC, one new segment is being added that is 5.15NM long.  
HAGIE is being used to replace MSL VORTAC and is located 118 feet north of MSL VORTAC.

#### **T429 HOKES, AL to HAGIE, AL [New]**

HOKES, AL	FIX	(lat. 33°55'30.08"N., long. 085°59'33.20"W.)
HAGIE, AL	WP	(lat. 34°42'25.87"N., long. 087°29'29.76"W.)