

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: SID	Estimated Chart Date: 04/17/2025	APWS Task ID: 139EACECFD4E4CE1AD669F1F605A66EA	APWS Project ID: 2B2ECBF2990B490993D4E664298DFBF4
Procedure: JEANY ONE RNAV SID		Enroute: YES	Specialist: Tuttle, Judith		Agreement Number:
Airport ID: KGSO			Airport City: GREENSBORO		State: NC
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div>Procedure Comments: ACTIVE AIRPORT DATA USED FOR PROCEDURE DEVELOPMENT.</div> <div>ESV(S): (3): GREENSBORO (GSO) VTAC (1); RALEIGH/DURHAM (RDU) VTAC (2)</div> <div>WAIVER (1): FAAO 8260.46J, Appendix E, Section 1.2.m.3, "Document the minimum crossing altitude at the IF on RNAV Radar departure procedures as follows: CHART: MINIMUM CROSSING ALTITUDE AT (RNAV IF)- (Altitude)."</div> <div>CONTACT: ERIC SUSKI (AJV-A431), 405.954.7331</div> <div>QUALITY 20 CHECKED</div> <div>QUALITY 41 CHECKED</div>					

1. FLIGHT PROCEDURE IDENTIFICATION:

GREENSBORO, NC
GSO
JEANY DEPARTURE (RNAV)

2. WAIVER REQUIRED AND APPLICABLE STANDARD:

FAAO 8260.46J, Appendix E, Section 1.2.m.3, "Document the minimum crossing altitude at the IF on RNAV Radar departure procedures as follows: CHART: MINIMUM CROSSING ALTITUDE AT (RNAV IF)-(Altitude)."

3. REASON FOR WAIVER (JUSTIFICATION FOR NONSTANDARD TREATMENT):

The JEANY DEPARTURE (RNAV) will serve PIEDMONT TRIAD INTL AIRPORT (KGSO), as well as SMITH REYNOLDS AIRPORT, (KINT).

It is the opinion of ATC and the ZDC Instrument Flight Procedure (IFP) collaborative workgroup that the absence of a coded altitude at the IF (HOPRZ) allows for a more effective, efficient, and safer routing. This allows for different altitudes to be assigned as it relates to the various types of aircraft utilizing this procedure. This ensures the separation of departures from other GSO ATCT arrival and departure flows and prevents pilots from removing a minimum crossing altitude (if one were published) and replacing it with the assigned altitude during critical phases of flight.

4. EQUIVALENT LEVEL OF SAFETY PROVIDED:

- a. Clearance Delivery will issue initial altitude for each departure. In the event GSO ATCT is unable to communicate with departing aircraft, the pilots will follow the initial departure routing and climb to the initial altitude issued by ATC.
- b. Aircraft will be assigned an initial altitude at or above the MVA.
- c. Radar is required for this procedure.
- d. The start of the MVA (2500MSL) was applied to evaluate the 40 to 1 OCS from the common fix to the beginning of the enroute transitions.

5. ALTERNATIVE ACTIONS DEEMED NOT FEASIBLE:

Publishing a Minimum Crossing Altitude (MCA) at the Initial Fix (IF) reduces the flexibility of assigning varying altitudes to the different types of aircraft utilizing this procedure and increases pilot and controller workload.

6. COORDINATION WITH USER ORGANIZATIONS (SPECIFY):

Eastern Service Area Flight Procedures Team PBN FAA and NATCA leads.
Washington ARTCC (ZDC)
GSO Air Traffic Control Tower (KGSO ATCT)
Delta Air Lines
American Airlines
United Airlines

7. SUBMITTED BY:

SIGNATURE

Digitally signed by

ERIC N SUSKI

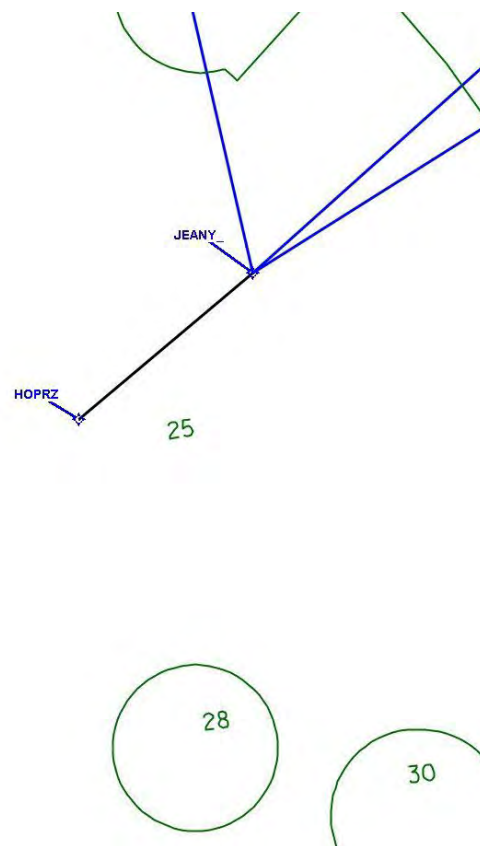
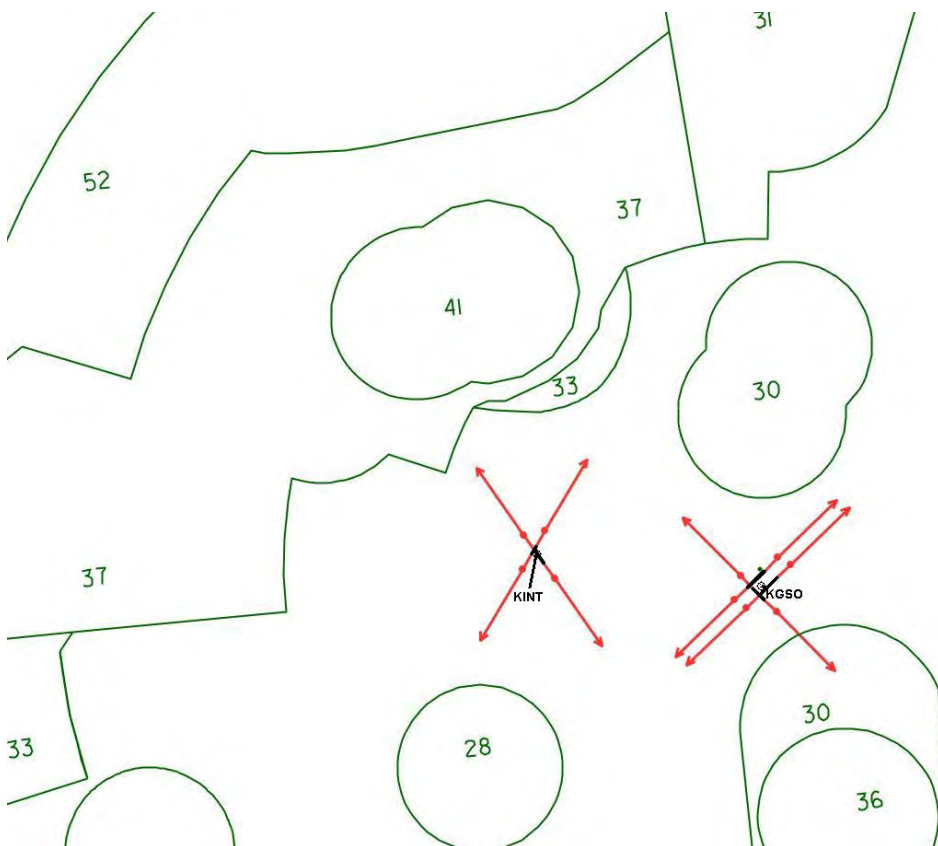
Dec 06, 2024

AFS ACTIONS

☐ APPROVED ☐ DISAPPROVED ☐ NOT REQUIRED

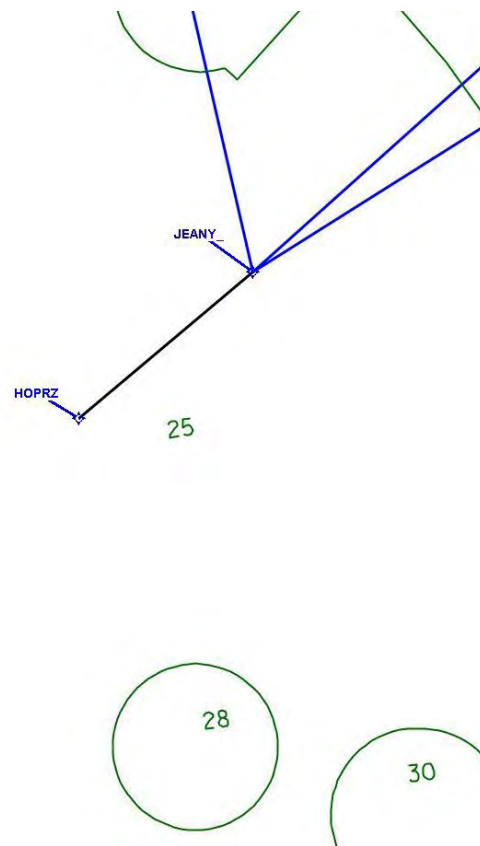
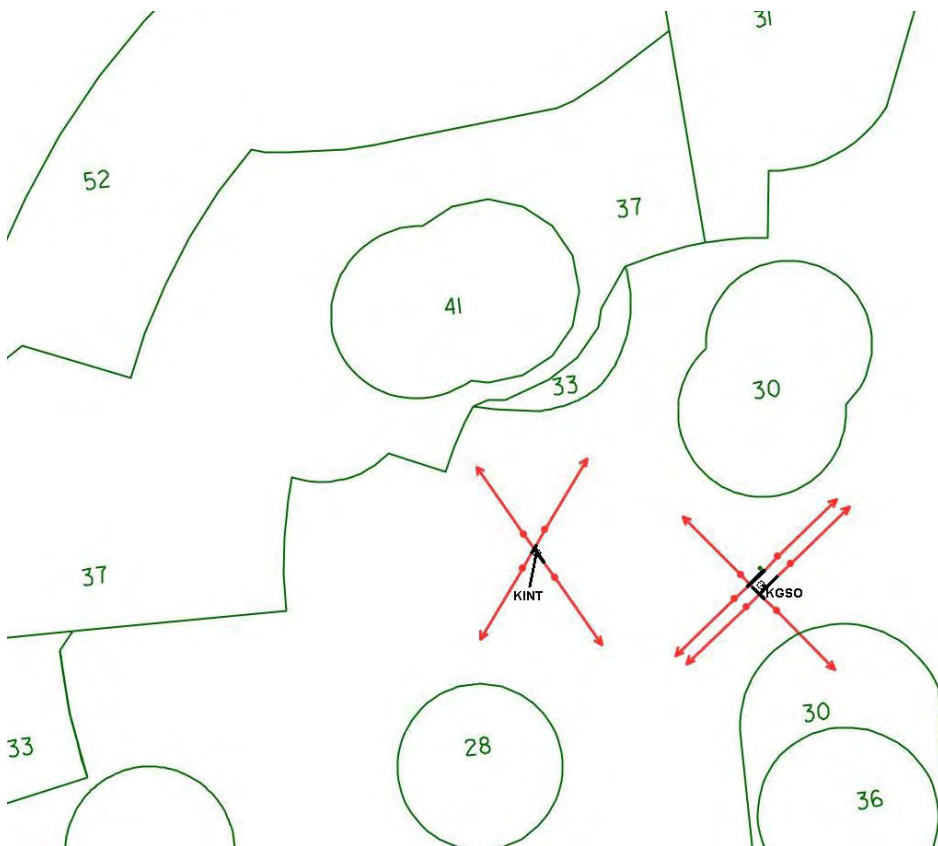
COMMENTS:

DATE ROUTING SYMBOL SIGNATURE



COMMENTS:

DATE ROUTING SYMBOL SIGNATURE



(JEANY1.JEANY) FIG

AL-178 (FAA)

PIEDMONT TRIAD INTL (GSO)

GREENSBORO, NORTH CAROLINA

JEANY ONE DEPARTURE (RNAV)

GREENSBORO DEP CON
124.35 269.225 (250°-049°)
126.6 327.075 (050°-249°)
D-ATIS 128.55
CLNC DEL 121.75
GND CON
121.9 348.6
GREENSBORO TOWER
119.1 290.325

HOBOS

RNAV1 - DME/DME/IRU or GPS

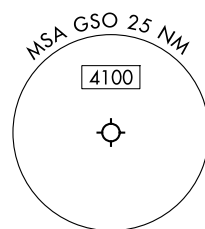
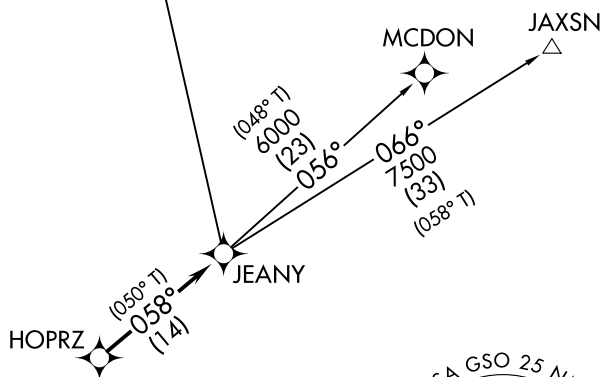
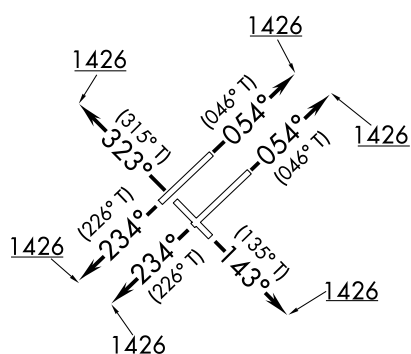
RADAR required. For non-GPS equipped aircraft, LIB DME must be operational for HOBOS TRANSITION.

**TOP ALTITUDE:
ASSIGNED BY ATC**

**PROTOTYPE: NOT
FOR NAVIGATION**

TAKEOFF MINIMUMS

Rwys 5L/R, 14, 23L/R, 32: Standard.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 5L/R: Climb heading 054° to 1426, for RADAR vectors to HOPRZ, thence....

TAKEOFF RWY 14: Climb heading 143° to 1426, for RADAR vectors to HOPRZ, thence....

TAKEOFF RWY 23L/R: Climb heading 234° to 1426, for RADAR vectors to HOPRZ, thence....

TAKEOFF RWY 32: Climb heading 323° to 1426, for RADAR vectors to HOPRZ, thence....

...on track 058° to JEANY, then on assigned transition. Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

HOBOS TRANSITION (JEANY1.HOBOS):

JAXSN TRANSITION (JEANY1.JAXSN):

MCDON TRANSITION (JEANY1.MCDON):

JEANY ONE DEPARTURE (RNAV)

(JEANY1.JEANY) FIG

GREENSBORO, NORTH CAROLINA

PIEDMONT TRIAD INTL (GSO)

AUTOMATED AL-178 JEANY DEPARTURE

SE-2

26 NOV 2024

COMPILER: CG

REVIEWER:

DBL CHKR:

EFF: FIG

ESV Details

Originating Office :AJR-37		Airspace Docket Number :		Request Type :Establish		
Facility Data						
Chart Name:KGSO JEANY SID		City:GREENSBORO		Ident:GSO		State:NC
Type/Class: TACAN		Frequency: M1196		Reference Number: 24096591		
Extended Service Volume Data: (Requesting Officer)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	
FAA 698207 - 067	46	64	73	53	100	
Requirement: KGSO JEANY SID MITIGATE CRITICAL DMES						
Signature:Cook David		Routing Symbol:				Date:09/24/2024
Extended Service Volume Data: (FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698207 - 067	46	64	73	53	100	APPROVE
Requirement/Remarks: KGSO JEANY SID MITIGATE CRITICAL DMESAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Love John		Routing Symbol:			Date:09/24/2024	
Extended Service Volume Data: (Super FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698207 - 067	46	64	73	53	100	APPROVE
Requirement/Remarks: KGSO JEANY SID MITIGATE CRITICAL DMESAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Hughes Dennis		Routing Symbol:			Date:09/24/2024	
Extended Service Volume Data: (FIFO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698207 - 067	46	64				
Requirement/Remarks:						
Signature:		Routing Symbol:			Date:	

ESV Details

Originating Office :AJR-37		Airspace Docket Number :		Request Type :Establish		
Facility Data						
Chart Name:KGSO HENBY STAR		City:RALEIGH		Ident:RDU		State:NC
Type/Class: TACAN		Frequency: M1206		Reference Number: 24037346		
Extended Service Volume Data: (Requesting Officer)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	
FAA 694151 - 048	306	346	82	54	150	
Requirement: Establish DME/DME Solution on KGSO HENBY STAR						
Signature:Cook David		Routing Symbol:				Date:03/19/2024
Extended Service Volume Data: (FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694151 - 048	306	346	82	54	150	APPROVE
Requirement/Remarks: Establish DME/DME Solution on KGSO HENBY STARAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Love John		Routing Symbol:			Date:03/20/2024	
Extended Service Volume Data: (Super FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694151 - 048	306	346	82	54	150	APPROVE
Requirement/Remarks: Establish DME/DME Solution on KGSO HENBY STARAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Hughes Dennis		Routing Symbol:			Date:03/21/2024	
Extended Service Volume Data: (FIFO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694151 - 048	306	346				
Requirement/Remarks:						
Signature:		Routing Symbol:			Date:	

ESV Details

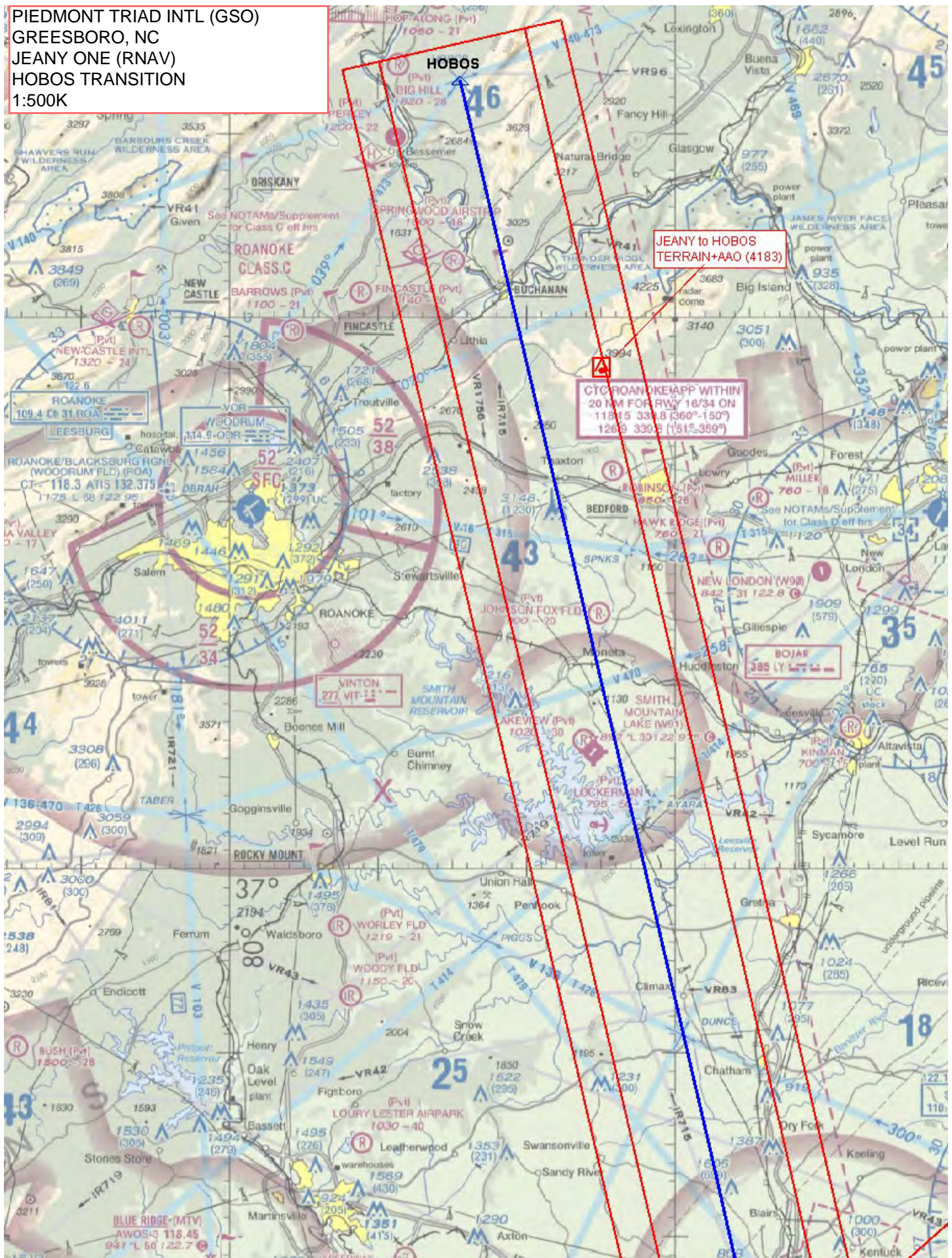
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Facility Data						
Chart Name:KGSO JEANY SID		City:RALEIGH		Ident:RDU		State:NC
Type/Class: TACAN		Frequency: M1206		Reference Number: 24096592		
Extended Service Volume Data: (Requesting Officer)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	
FAA 694151 - 053	353	14	55	30	100	
Requirement: KGSO JEANY SID MITIGATE CRITICAL DMES						
Signature:Cook David		Routing Symbol:				Date:09/24/2024
Extended Service Volume Data: (FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694151 - 053	353	14	55	30	100	APPROVE
Requirement/Remarks: KGSO JEANY SID MITIGATE CRITICAL DMESAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Love John		Routing Symbol:			Date:09/24/2024	
Extended Service Volume Data: (Super FMO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694151 - 053	353	14	55	30	100	APPROVE
Requirement/Remarks: KGSO JEANY SID MITIGATE CRITICAL DMESAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Hughes Dennis		Routing Symbol:			Date:09/24/2024	
Extended Service Volume Data: (FIFO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694151 - 053	353	14				
Requirement/Remarks:						
Signature:		Routing Symbol:			Date:	

PIEDMONT TRIAD INTL (GSO)
GREENSBORO, NC
JEANY ONE (RNAV)
RWY 5L/R, 14, 23L/R, 32, HOBOS, JAXSN AND MCDON
TRANSITIONS
1:500K

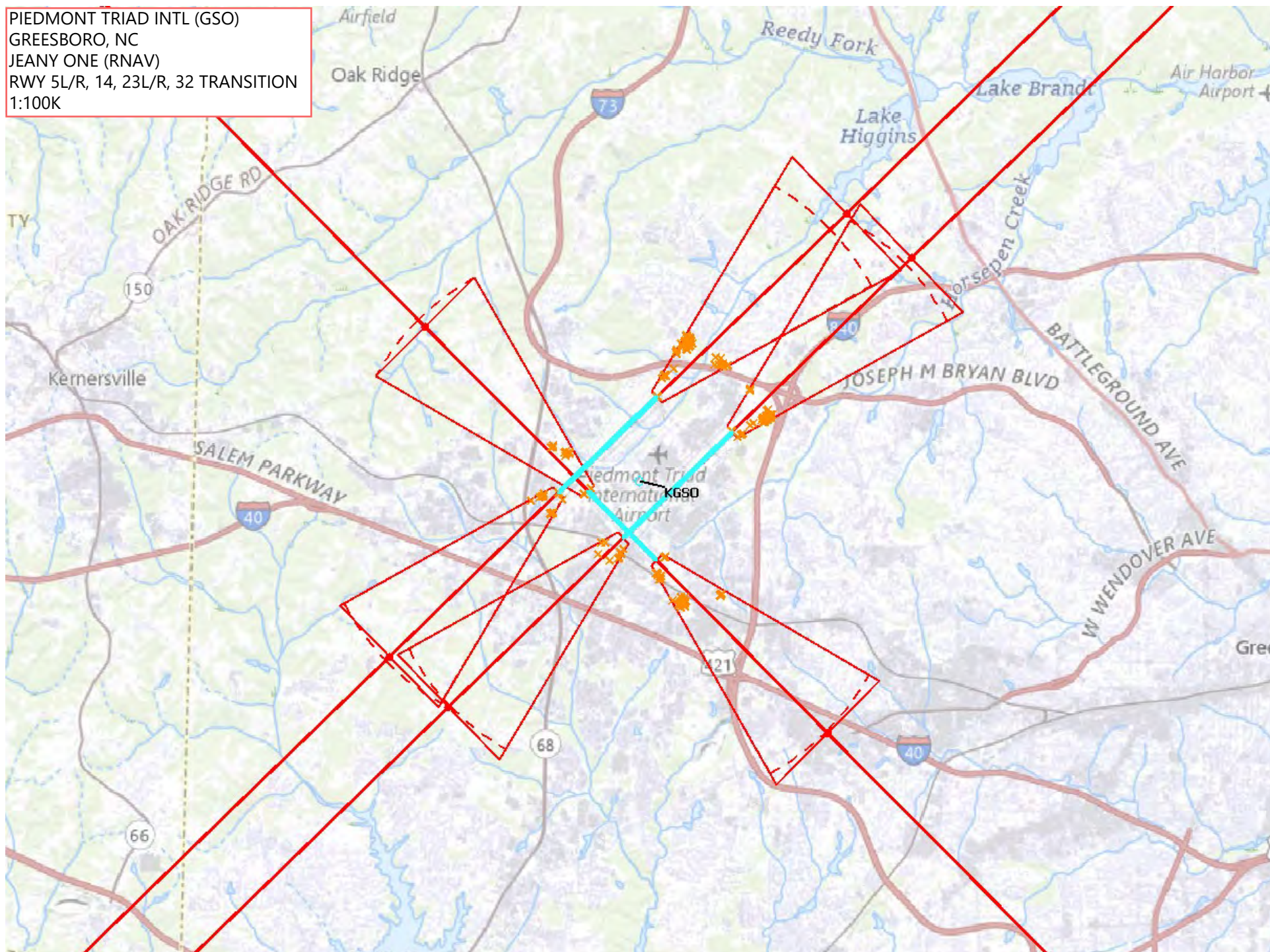
JEANY to JAXSN/JEANY to MCDON
TOWER (1063) 37-003231

KGSO Vector SID Controller
TERRAIN+AAO (994)

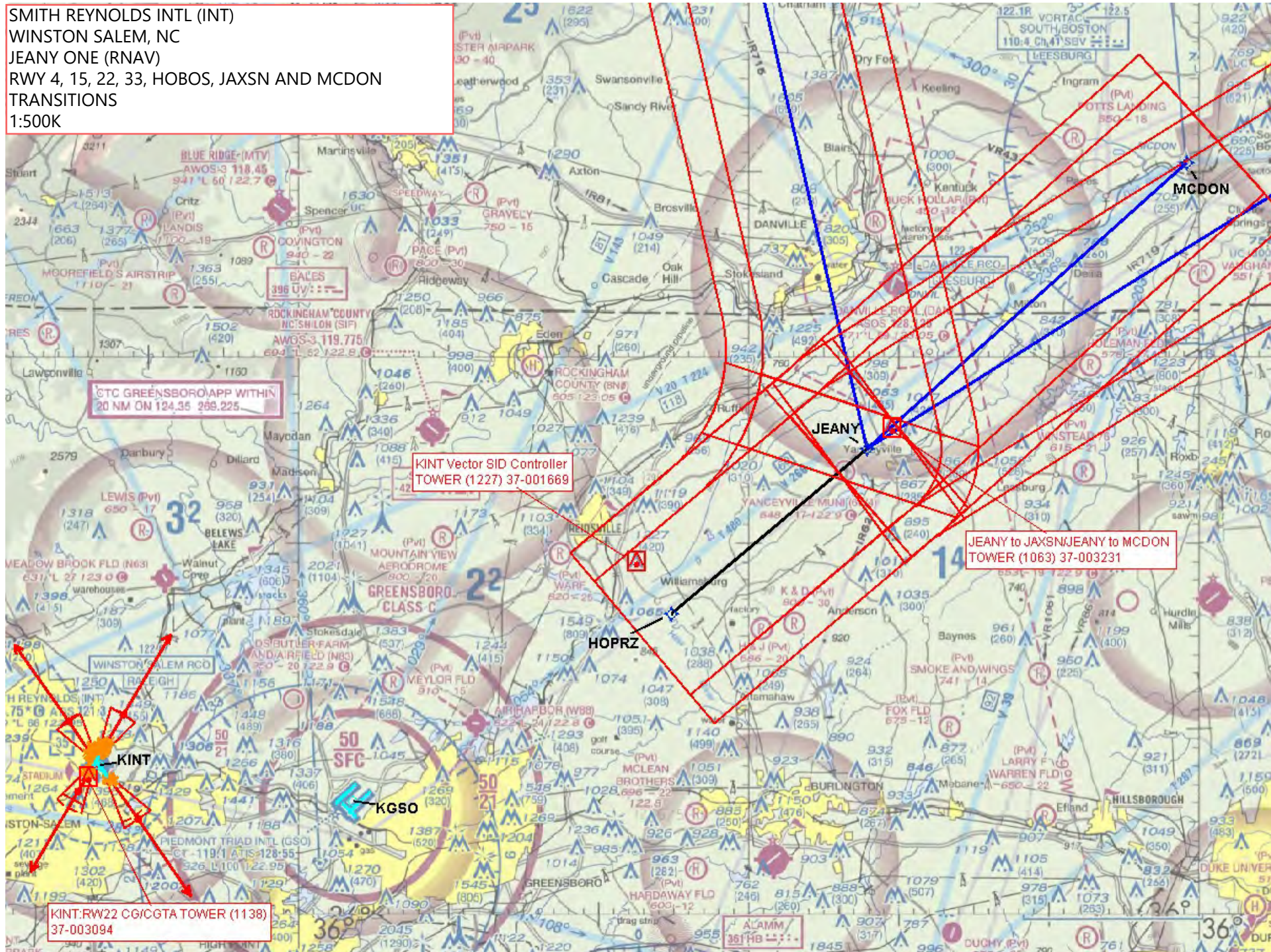
PIEDMONT TRIAD INTL (GSO)
GREENSBORO, NC
JEANY ONE (RNAV)
HOBOS TRANSITION
1:500K



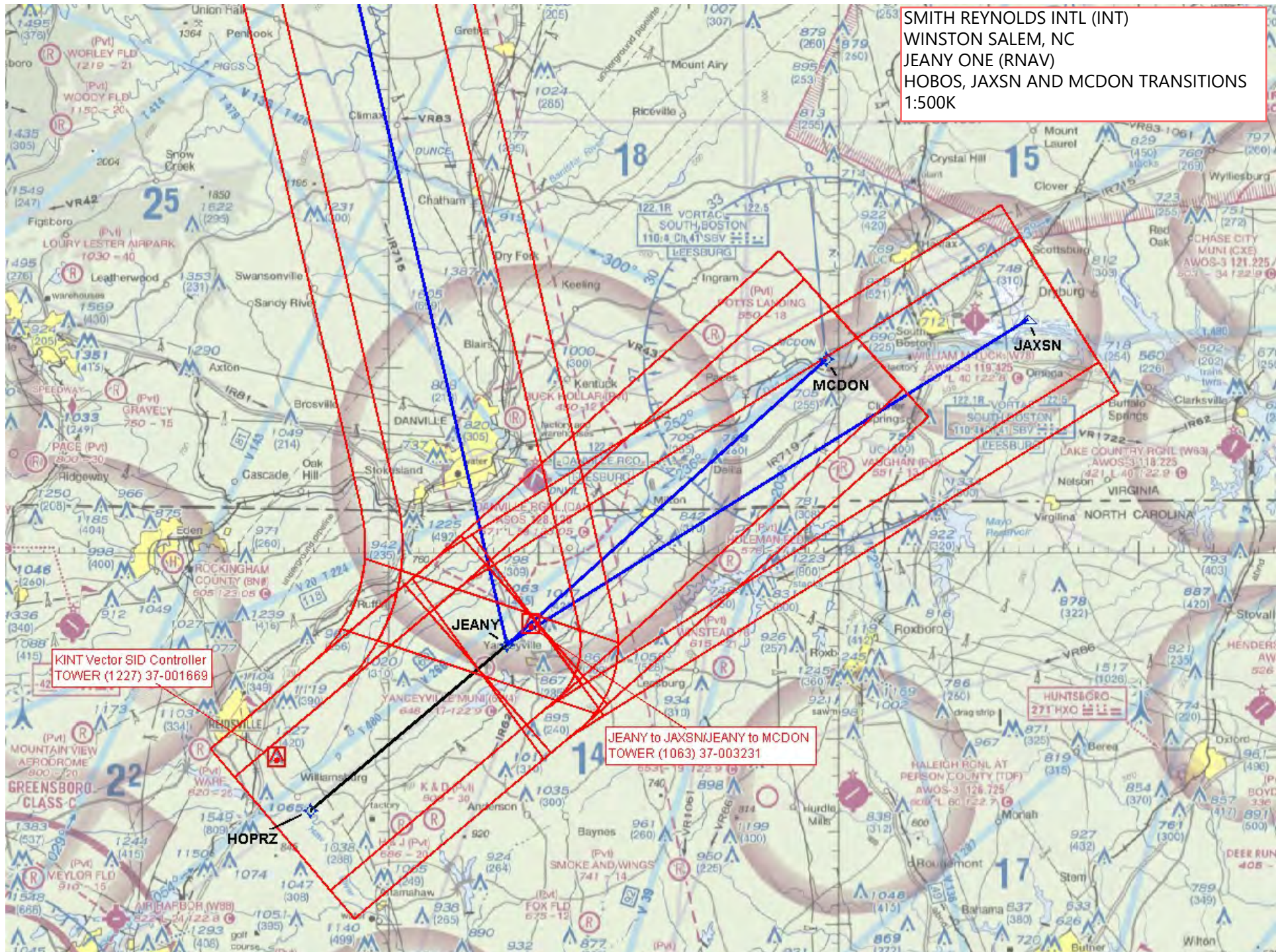
PIEDMONT TRIAD INTL (GSO)
GREENSBORO, NC
JEANY ONE (RNAV)
RWY 5L/R, 14, 23L/R, 32 TRANSITION
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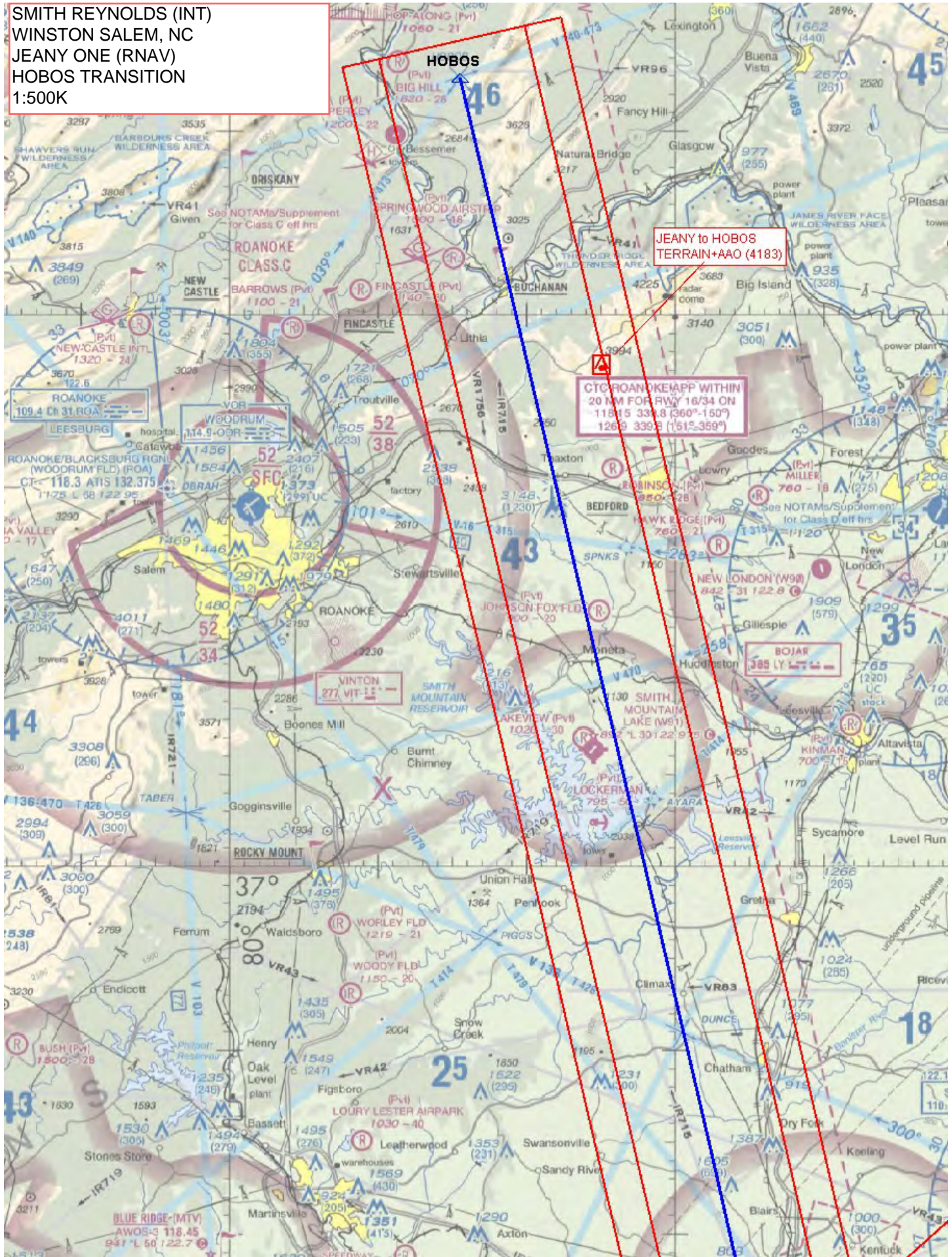
SMITH REYNOLDS INTL (INT)
WINSTON SALEM, NC
JEANY ONE (RNAV)
RWY 4, 15, 22, 33, HOBOS, JAXSN AND MCDON
TRANSITIONS
1:500K



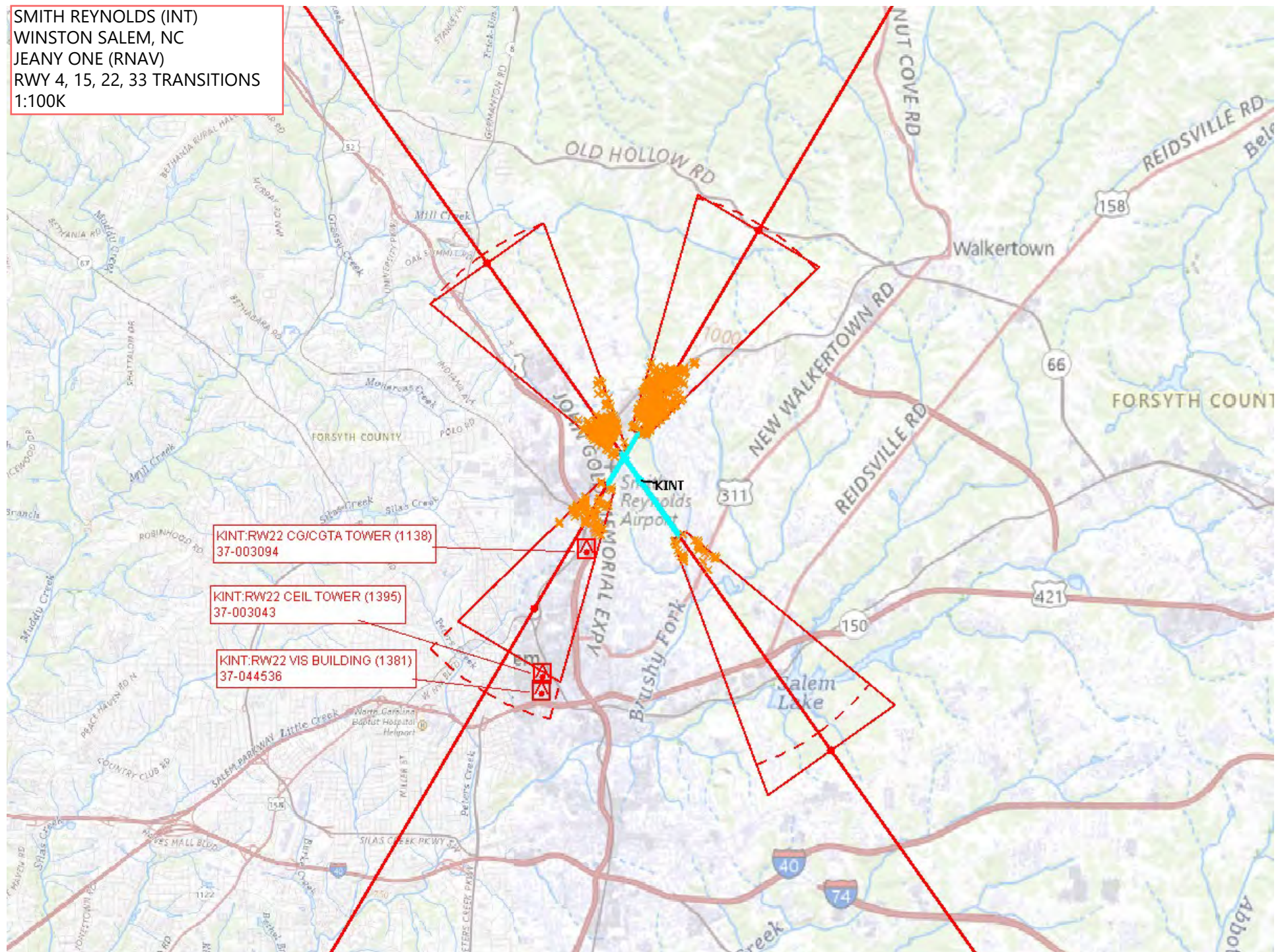
SMITH REYNOLDS INTL (INT)
WINSTON SALEM, NC
JEANY ONE (RNAV)
HOBOS, JAXSN AND MCDON TRANSITIONS
1:500K



SMITH REYNOLDS (INT)
WINSTON SALEM, NC
JEANY ONE (RNAV)
HOBOS TRANSITION
1:500K



SMITH REYNOLDS (INT)
WINSTON SALEM, NC
JEANY ONE (RNAV)
RWY 4, 15, 22, 33 TRANSITIONS
1:100K



INFORMATION ONLY



Federal Aviation Administration

Memorandum

Date: January 31, 2023

To: Instrument Flight Procedure Service Providers
Digitally signed by WADE
EK TERRELL
WADE EK TERRELL
Date: 2023.01.31 09:21:16
-06'00'

From: Wade E.K. Terrell, Manager, Flight Procedures and Airspace Group

Subject: Waiver to FAA Order 8260.58C paragraph 1-2-5.c.(3), Maximum bank angle

Background: The Performance Based Navigation (PBN) Aviation Rulemaking Committee (PARC) made a recommendation that the FAA adjust the turn parameters used in PBN instrument flight procedure (IFP) design to reflect modern avionics values. The Flight Procedures and Airspace Group analyzed current avionics specifications with the help of several FAA offices and RTCA SC-227 to identify the new bank angles necessary for current IFP design. The Flight Procedures and Airspace Group then conducted an Operational Safety Review (OSR) for this amendment to bank angle criteria. The outcome of the OSR was that no new hazard is introduced into the National Aerospace System (NAS).

Purpose: This memorandum waives FAA Order 8260.58C, United States Standard for Performance Based Navigation (PBN) Instrument Procedure Design, paragraph 1-2-5.c.(3) and authorizes use of a maximum bank angle of 23 degrees above FL195 up to FL245 and a maximum bank angle of 16 degrees above FL245.

This waiver remains in effect until rescinded. No additional waiver request action is required. Please direct all inquiries to Thomas J. Nichols, Standards Section Manager, Flight Procedures and Airspace Group at 405-954-1171 or thomas.j.nichols@faa.gov