

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 09/03/2026	APWS Task ID: B23172B6136C48C7823D0EB3C9F537DE	APWS Project ID: 86EC9584D8324F00A5B44D8D54D994B8
Procedure: HGGRD (RNAV) ONE ARRIVAL		Enroute: YES	Specialist: Martinez, Rafael		Agreement Number:
Airport ID: KMQY			Airport City: SMYRNA		State: TN
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			

Procedure Comments:

NEW RNAV STAR: INCREASED TRAFFIC VOLUMNE INTO KMQY, KBNA, AND SATELLITE AIRPORTS REQUIRING STARS REDESIGN.

WAIVER (1): NO ALTITUDE ESTABLISHED ON THE COMMON ROUTE. AFS 8260.19 STAR TERMINATION ALTITUDE.

CONTACT: BEV L BORDY, AJV-A420, 405-954-8293/CASIMIR TABAKA, AJV-A421, 405-954-7931.

04/01/2026: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/09/2026.

1. TRANSITION ROUTES: CHANGED MEA AT HGGRD FROM 2200 TO 7000.
2. REMARKS: REMOVED "2200 FT MEA REQUIRED AT COMMON FIX; UTILIZED 1500 FT AIRSPACE", "DO NOT CHART MOCA VALUE TO HGGRD (MEA/MOCA WITHIN 500 FT)".

04/08/2026: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/09/2026.

1. ARRIVAL ROUTE DESCRIPTION: ADDED KGHM FROM HGGRD TO FLYYD.
2. AIRPORTS SERVED: ADDED GHM.
3. ADDITIONAL FLIGHT DATA: ADDED GHM AT FLYYD TERMINUS.

QUALITY
9
CHECKED
BEGUE

QUALITY
9
CHECKED
BEGUE

04/10/2026

QUALITY
14
CHECKED

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04/03/2026



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Procedure: STAR HGGRD ONE (RNAV) NASHVILLE TN KBNA		Enroute: YES	Specialist: Martinez, Rafael		Agreement Number:
Airport ID: KMQY			Airport City: SMYRNA		State: TN
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03/25/2026



1. FLIGHT PROCEDURE IDENTIFICATION:

Smyrna, TN
Smyrna Airport, TN (KMQY)
HGGRD (RNAV) STAR

2. WAIVER REQUIRED AND APPLICABLE STANDARD:

Per 8260.3, Para. 2-2-7e. Common route and runway transitions. Establish a mandatory, minimum or block altitude restriction at a fix that represents the lowest altitude authorized by the STAR or STAR runway transition.

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

The HGGRD STAR serves multiple airports and runway configurations within Nashville area airspace and utilizes varying altitude restrictions to all airports based on dynamic traffic situations. The HGGRD arrival also must be managed while Nashville International Airport arrivals utilize the same airspace structure. Additionally, the procedure authorizes differing aircraft types, thus introducing different performance characteristics from one aircraft to another. The HGGRD STAR is not a descend via procedure and ATC will issue CROSS (FIX) AT AND MAINTAIN or DESCEND AND MAINTAIN clearances to control the flow of traffic.

Coding the procedure with an altitude on the common route that serves multiple airports with mixed aircraft types and differing performance characteristics will cause confusion and additional workload when the issued altitude is different from the coded restriction on the procedure. Coding two different altitudes on one procedure based on aircraft type is not allowed per design criteria. Additionally, designing an arrival as a descend via while interacting within the same airspace corridors as Nashville International traffic creates a pilot discretionary descent, thereby delaying other traffic's descent.

4. EQUIVALENT LEVEL OF SAFETY PROVIDED:

With RADAR required and ATC issuing a "CROSS (FIX) AT AND MAINTAIN" or "DESCEND AND MAINTAIN" clearance for all aircraft ensures the requirements are met. These altitudes provide obstacle clearance, communication, and navigable facility requirements for aircraft to utilize the procedure. When radio communications are in use, ATC will provide appropriate altitudes for separation, including obstacle clearance.

5. ALTERNATIVE ACTIONS DEEMED NOT FEASIBLE:

Consideration was given to designing the procedure with coded altitudes and deemed not feasible. Procedures with coded altitudes for different aircraft types or performance is not allowed within design criteria. Establishing coded altitudes on the STAR common route restricts ATC ability to dynamically assign altitudes based upon the traffic scenarios, differing aircraft performance characteristics, and airports of intended landing and creates pilot confusion and questions resulting in a significant workload increase for ATC and pilots.

6. COORDINATION WITH USER ORGANIZATIONS (SPECIFY):

BNA Full Work Group
ESC OSG PBN Co-Leads
Memphis ARTCC (ZTL)
Nashville ATCT (KBNA)
Southwest Airlines

7. SUBMITTED BY:

DATE	OFFICE IDENTIFICATION	TITLE	SIGNATURE
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8. AFS ACTIONS:

APPROVED DISAPPROVED NOT REQUIRED

Digitally signed by
TARA N MARTINELLI
Apr 02, 2026

COMMENTS:



Federal Aviation Administration

Memorandum

Date: August 11, 2023

To: Instrument Flight Procedures Service Providers
WADE EK
TERRELL

From: Eric S. Parker, Acting Manager, Flight Technologies and Procedures
Division

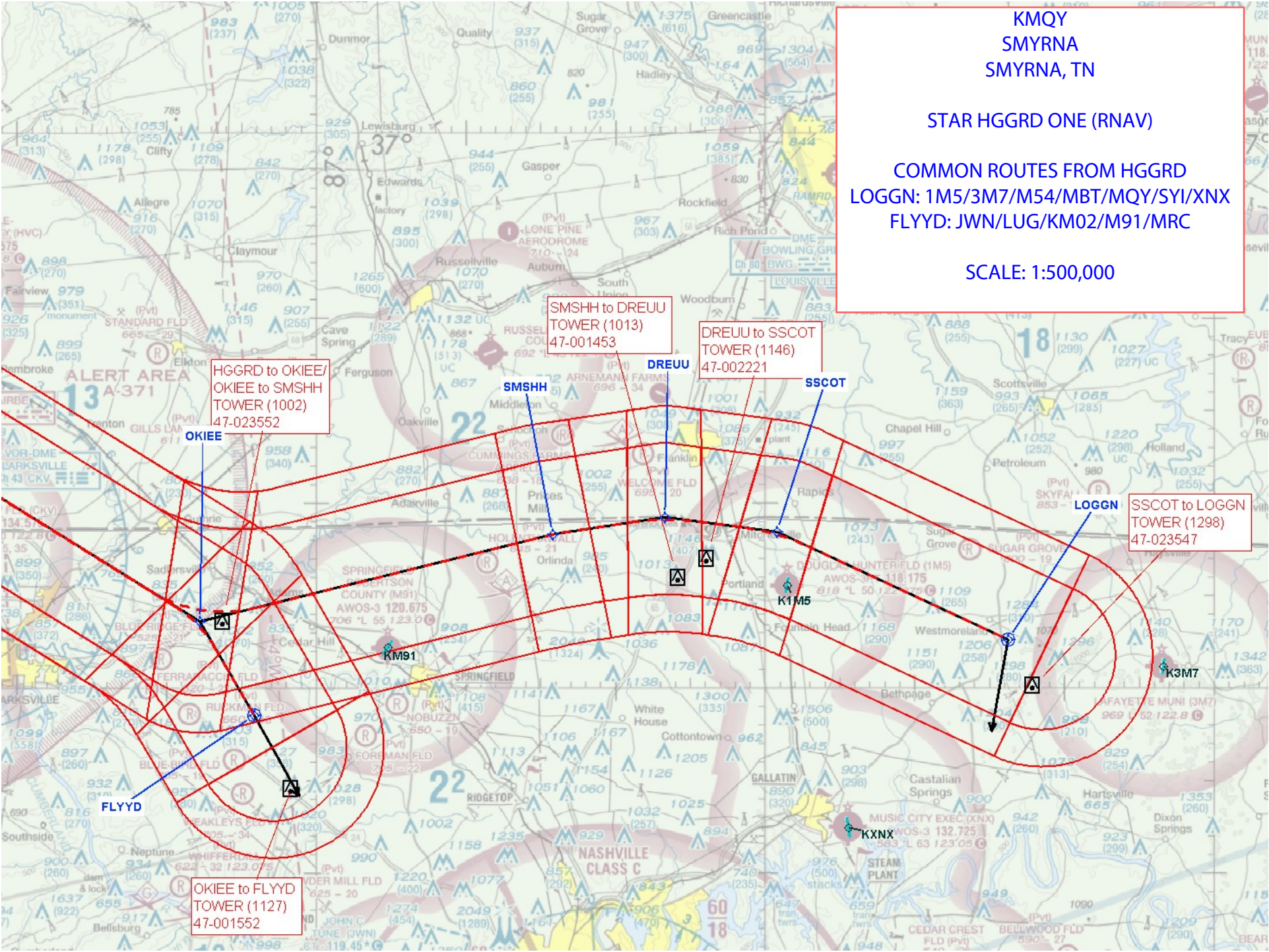
Subject: Waiver to FAA Order 8260.19, Flight Procedures and Airspace, STAR
Termination Altitude

Digitally signed by WADE
EK TERRELL
Date: 2023.08.11 13:46:53
-05'00'

This memorandum waives the requirement of FAA Order 8260.19 paragraph 4-5-2.j for an altitude to be specified at the termination fix at the STAR termination point [see memo dated July 18, 2023, subject: Waiver to FAA Order 8260.3, paragraph 2-2-7.f(2)].

When no altitude is specified at that fix, the lowest altitude that will be assigned by air traffic control at the termination fix must be used for descent gradient and obstacle clearance calculations and noted in the Remarks section of Form 8260-17.1. Example: LOWEST ASSIGNED ATC ALTITUDE AT GIZMO, 3000.

No additional waiver request action is required. Please direct all inquiries to the Flight Procedures and Airspace, Standards Section (405) 954-1139 or 9-AWA-AVS-AFS420@faa.gov.



KMQY
SMYRNA
SMYRNA, TN

STAR HGGRD ONE (RNAV)

COMMON ROUTES FROM HGGRD
LOGGN: 1M5/3M7/M54/MBT/MQY/SYI/XNX
FLYYD: JWN/LUG/KM02/M91/MRC

SCALE: 1:500,000

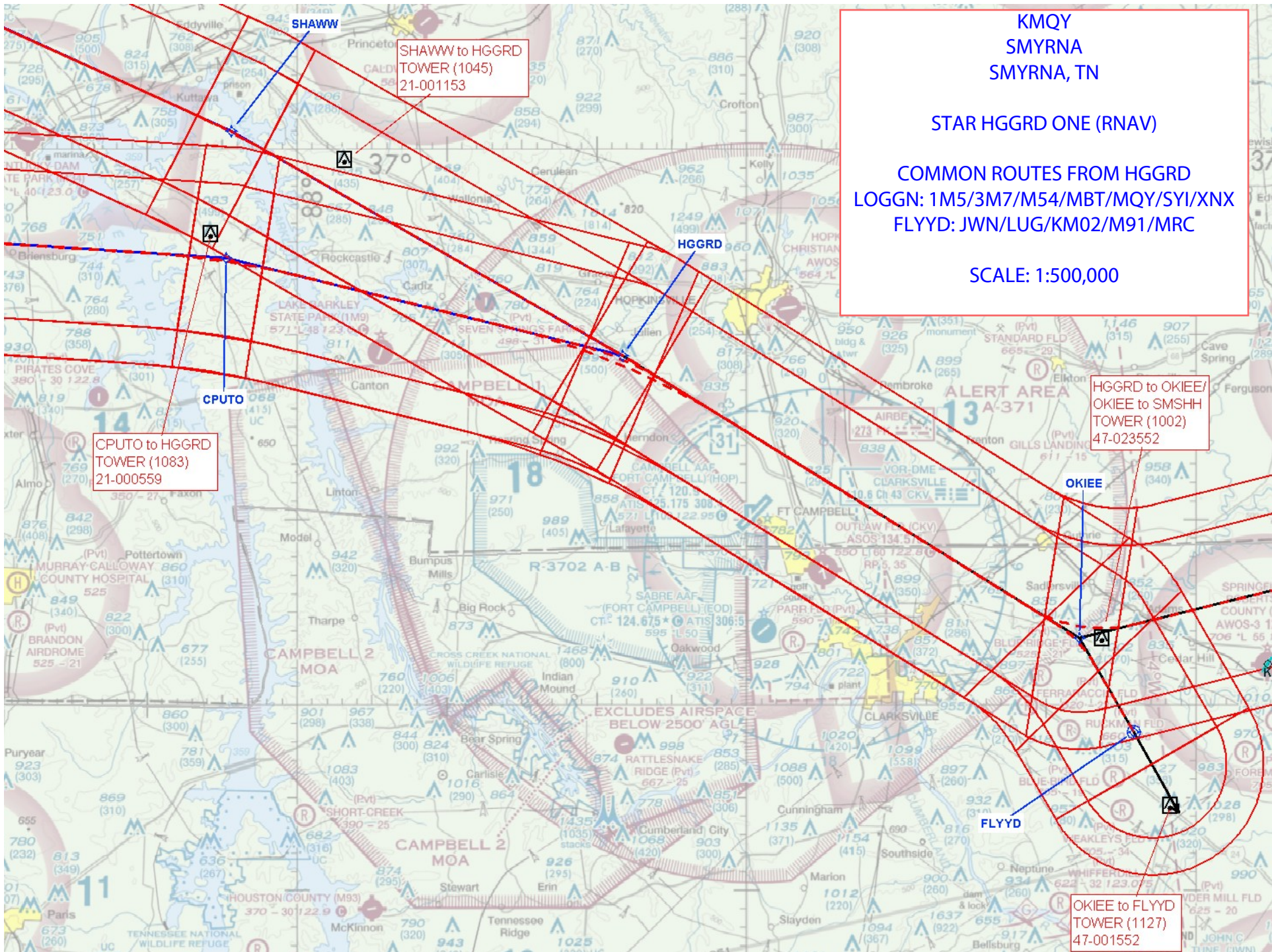
HGGRD to OKIEE/
OKIEE to SSMHH
TOWER (1002)
47-023552

SSMHH to DREUU
TOWER (1013)
47-001453

DREUU to SSCOT
TOWER (1146)
47-002221

SSCOT to LOGGN
TOWER (1298)
47-023547

OKIEE to FLYYD
TOWER (1127)
47-001552



KMQY
SMYRNA
SMYRNA, TN

STAR HGGRD ONE (RNAV)

COMMON ROUTES FROM HGGRD
LOGGN: 1M5/3M7/M54/MBT/MQY/SYI/XNX
FLYYD: JWN/LUG/KM02/M91/MRC

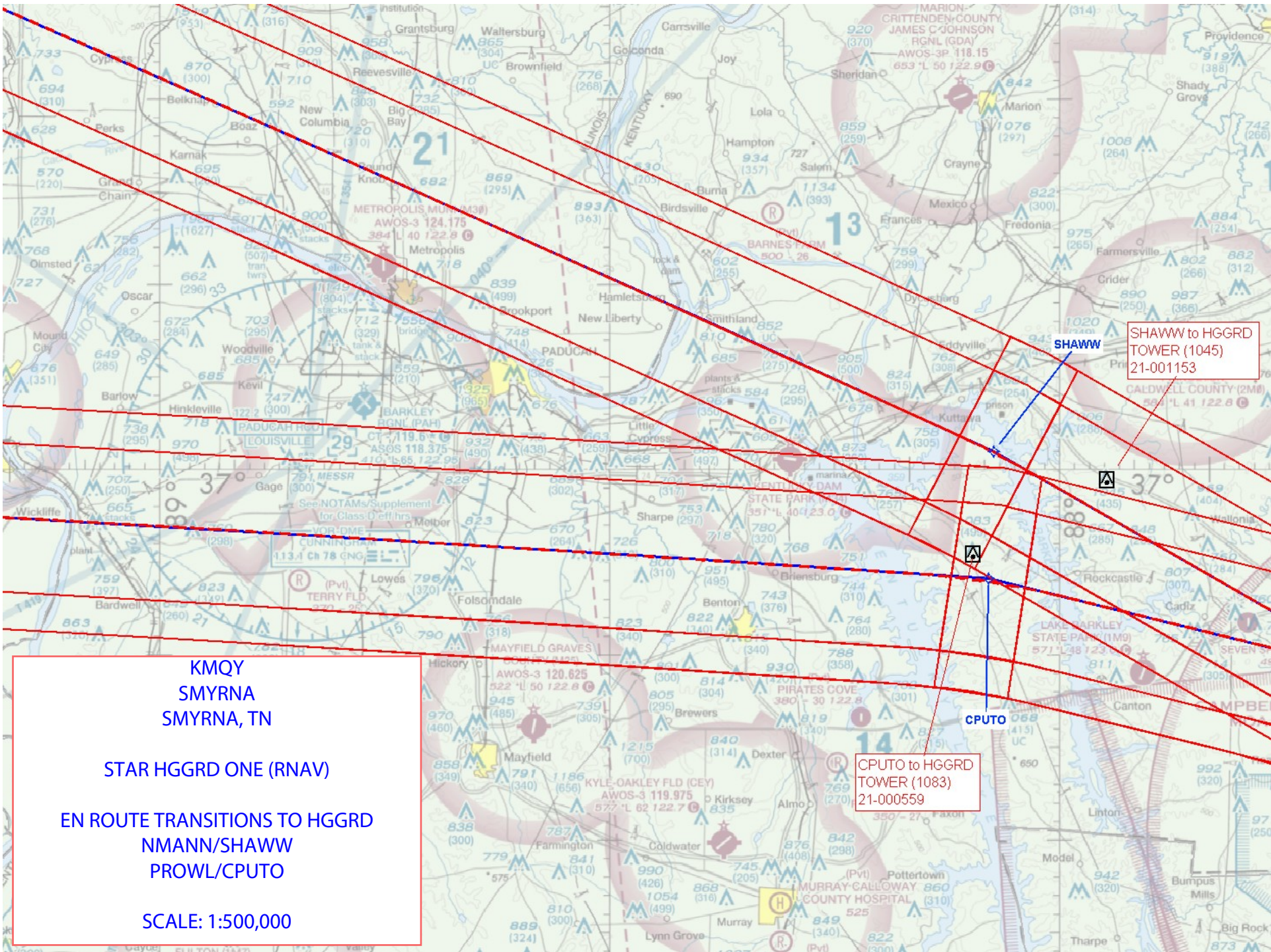
SCALE: 1:500,000

SHAWW to HGGRD
TOWER (1045)
21-001153

CPUTO to HGGRD
TOWER (1083)
21-000559

HGGRD to OKIEE/
OKIEE to SMSHH
TOWER (1002)
47-023552

OKIEE to FLYYD
TOWER (1127)
87-001552



KMQY
SMYRNA
SMYRNA, TN

STAR HGGRD ONE (RNAV)

EN ROUTE TRANSITIONS TO HGGRD
NMANN/SHAWW
PROWL/CPUTO

SCALE: 1:500,000

SHAWW to HGGRD
TOWER (1045)
21-001153

CPUTO to HGGRD
TOWER (1083)
21-000559

NMANN to SHAWW
TOWER (2487)
29-000221

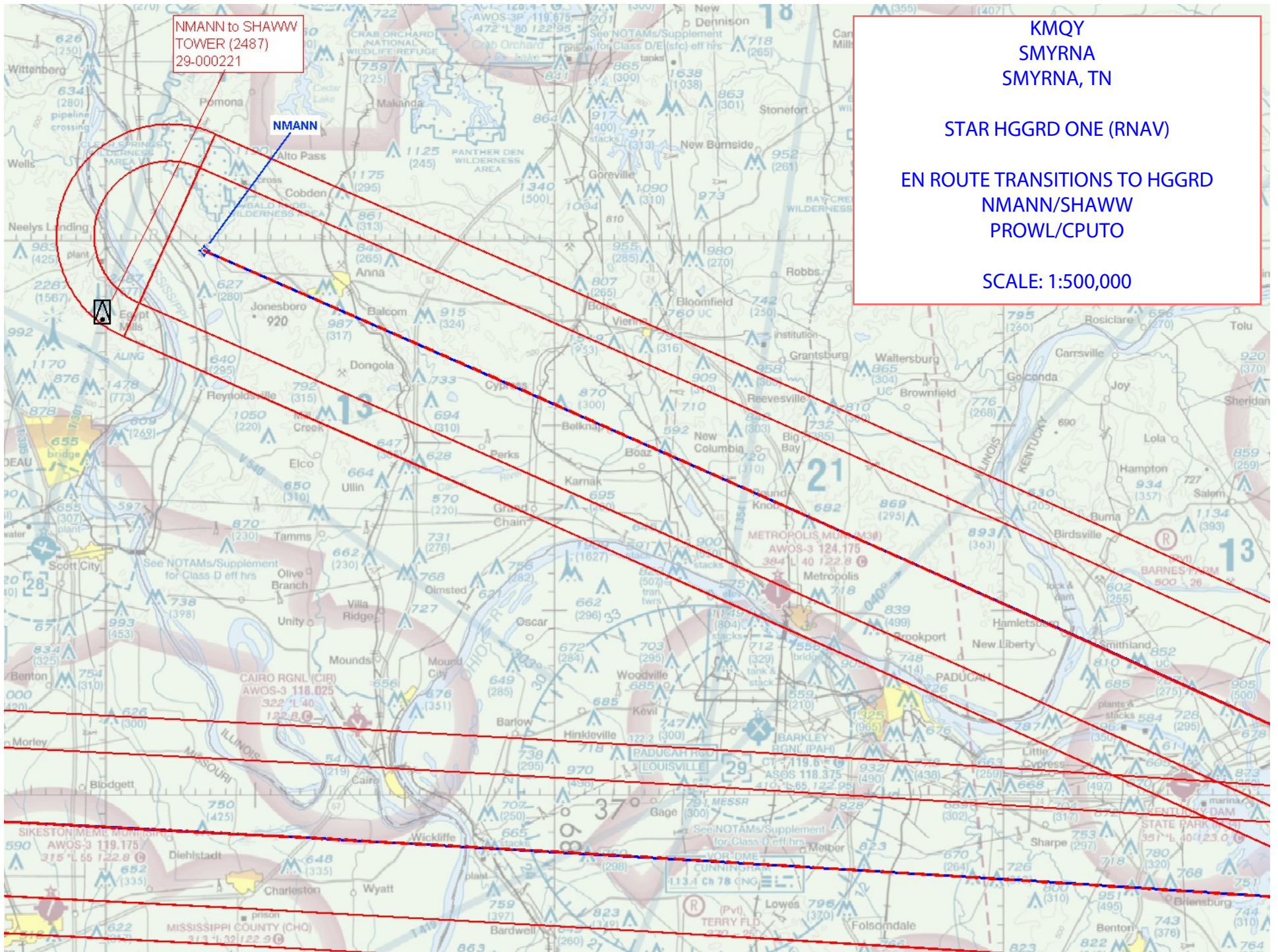
NMANN

KMOY
SMYRNA
SMYRNA, TN

STAR HGGRD ONE (RNAV)

EN ROUTE TRANSITIONS TO HGGRD
NMANN/SHAWW
PROWL/CPUTO

SCALE: 1:500,000

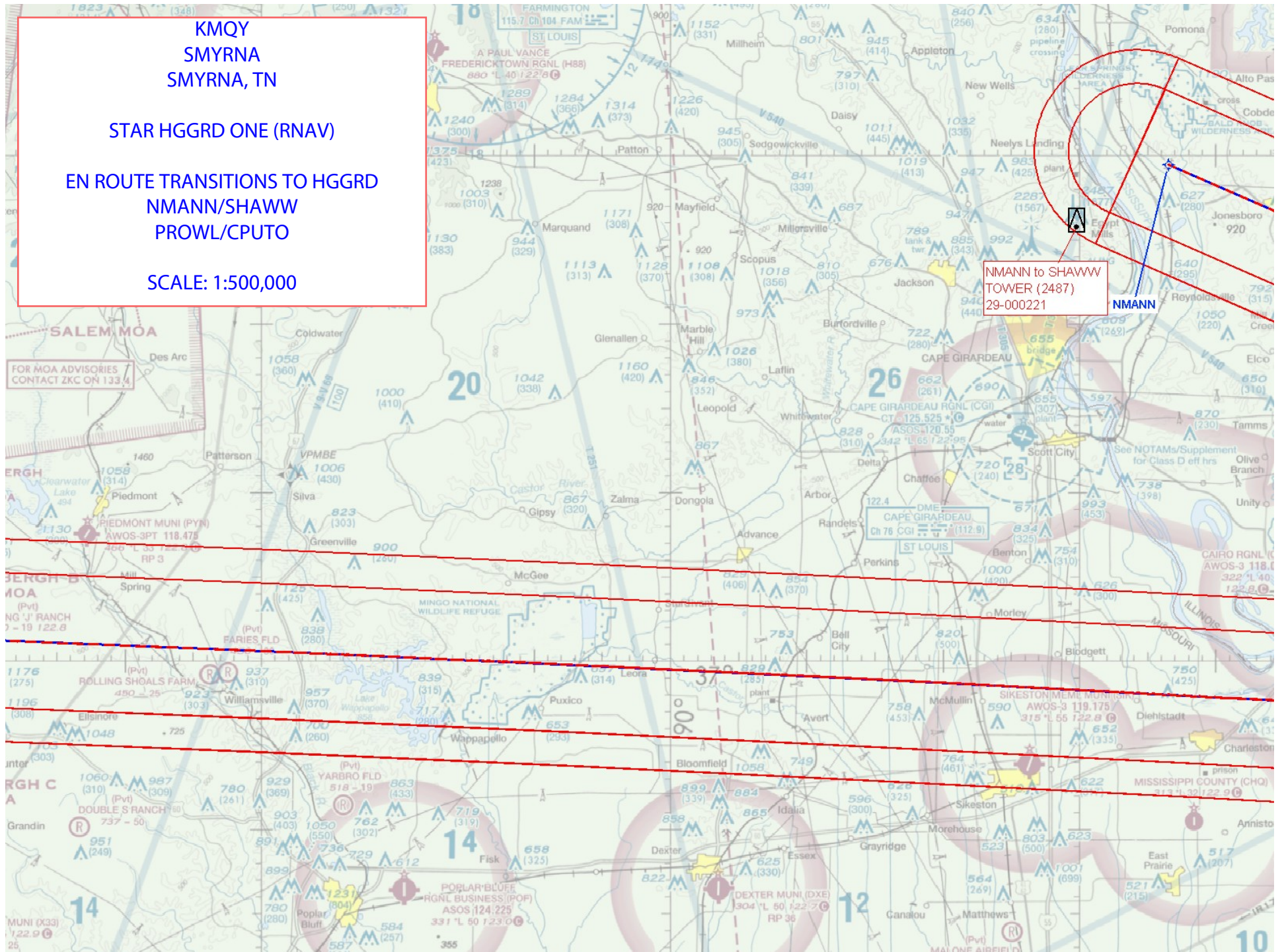


KMQY
SMYRNA
SMYRNA, TN

STAR HGGRD ONE (RNAV)

EN ROUTE TRANSITIONS TO HGGRD
NMANN/SHAWW
PROWL/CPUTO

SCALE: 1:500,000



NMANN to SHAWW
TOWER (2487)
29-000221

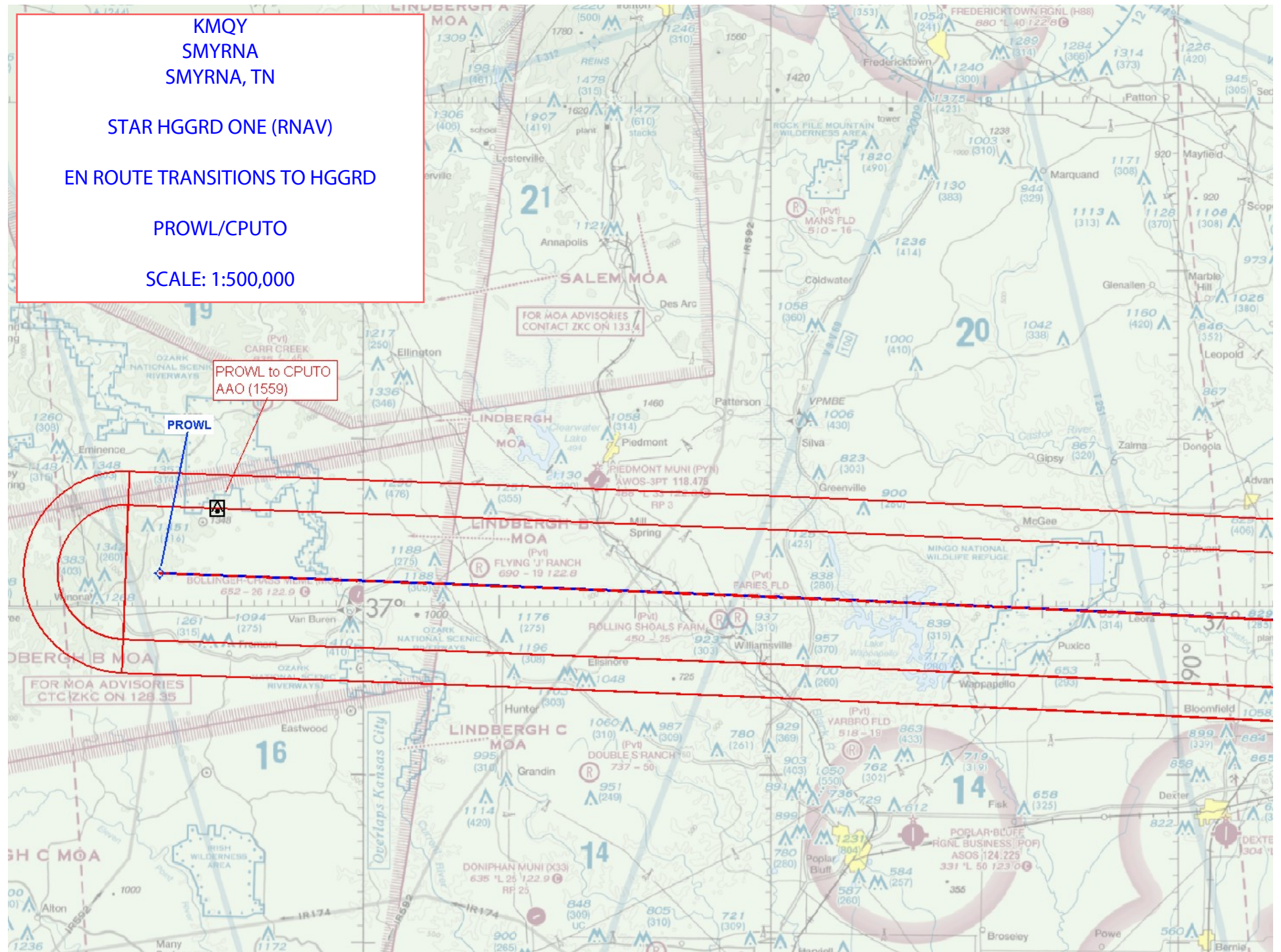
KMQY
SMYRNA
SMYRNA, TN

STAR HGGRD ONE (RNAV)

EN ROUTE TRANSITIONS TO HGGRD

PROWL/CPUTO

SCALE: 1:500,000



PROWL to CPUTO
AAO (1559)

FOR MOA ADVISORIES
CONTACT ZKC ON 133.4

FOR MOA ADVISORIES
CTC/ZKC ON 128.35