



**Regional Transportation Technical Advisory Committee
Modeling Subcommittee (RTTAC-MS)
Meeting Agenda**

January 5, 2026 – 10:00 AM to 12:00 PM EST

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- I. Introductions (5 minutes)**
- II. SERPM 9.61 Model (in VISUM platform) Status (15 minutes –Srin Varanasi/Nizamul Mojumder, The Corradino Group)**
- III. SERPM 9.61 Model (in VISUM platform) Adoption (15 minutes – RTTAC-MS members)**
- IV. Member Discussion- (15 minutes)**
 - a. 2026 Meeting Dates**
- V. Next Meeting (Remote Format: February 23, 2026) Discussion (5 minutes)**

RTTAC MS Meeting Minutes (September 25, 2025)

The RTTAC-MS meeting was held in a hybrid format, with RTTAC-MS members attending in person at the FDOT D4 offices and other participants joining remotely via a Teams meeting.

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D4-DO3, PLEM (Trang Phan, Mary-Tery Vilches, Paul Flavien, Sai Ranga Chimbili)	RTTAC-MS members in-person attendance
Hu, Jiangchuan	jhu@gfnet.com
Tianyi Wei	twei@bcceng.com

1. Introductions

- Meeting opened with RTTAC-MS members' introductions.
- Representatives from FDOT districts, MPOs, and the SERPM technical team were present.

2. SERPM9 Maintenance & Traffic Count Updates

Overview

- SERPM9 version 9.52 maintenance updates were presented.
- Focus is on traffic count validation issues, particularly in Miami-Dade County.

- Traffic count locations do not align correctly with network links.
- Missing traffic count station numbers, making verification difficult.
- Counts coded within interchange areas where volumes differ significantly by ramp.
- Some links coded with traffic counts but without intermediate access points.
- Directional inconsistencies (counts coded in one direction only).

Network Attribute & Consistency Checks

Lane and Facility Type Corrections

- ***Corrections made to:***
 - Lane counts (e.g., segments coded as 3 lanes corrected to 4 lanes).
 - Small segments with inconsistent lane coding.
- ***Facility type consistency checks underway:***
 - Facility type and area type affect speed assignments in the model.
 - Ensuring consistency across divided arterials, local roads, and freeways.

SERPM9 Versioning & Maintenance Strategy

- SERPM9.52 will be the final Cube-based version.
- No new version (e.g., 9.53) will be released.
- Updates will be issued as needed as patches to the existing 9.52 version.
- Future maintenance and development will focus on the VISUM model.
- Decision based on guidance to emphasize VISUM going forward.

3. Cube vs. VISUM Validation Comparison

Runtime Comparison

- Cube 2050 run: ~44 hours
- VISUM 2050 run: ~31 hours
- Hardware specifications (cores, RAM, OS) were documented to ensure fair comparison.

VISUM Improvements

- Improved runtimes with optimized sampling rates and gap parameters.
- Consistent validation results compared to Cube.

SERPM9 Network Conversion to VISUM

Current Status

- Ongoing coordination with PTV to convert SERPM9.52 networks into VISUM.
- 2019 base-year network is currently being updated.

Key Conversion Notes

- Imported Cube network attributes appear in VISUM with an IMPT_ prefix.

- Additional updates required post-import:
 - Transit time profiles
 - Headways and fares
 - Transportation system attributes
 - Link lengths and access permissions
 - Lane counts and facility types

Schedule & Upcoming Milestones Discussion

Target Dates

- Mid-October:
 - Conversion of latest Cube networks to VISUM
- End of October:
 - Updated SERPM9.52 VISUM base-year model
 - Testing of non-motorized access
- October–November:
 - Parameter-by-parameter comparison (Cube vs. VISUM)
 - Verification of ABM components and trip totals
- End of Year:
 - Anticipated VISUM model release
- January (Next Year):
 - SERPM9 VISUM training planned

Operating System Compatibility

- Current testing is performed on Windows 10 Pro.
- Migration to Windows 11 is planned in October.
- Initial Windows 11 testing successfully on multiple machines.
- One new machine experienced a multiprocessing issue; investigation ongoing.

4. RTP Updates

- No updates or discussion items for RTP currently.

5. Next Meeting

- Date: January 5, 2026

Adjournment

- With no further business, the meeting was adjourned.

Proposed RTTAC MS MEETING DATES

2026

January						
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
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April						
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October						
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February						
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August						
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September						
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December						
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27	28	29	30	31		



Quarterly Updates



Remote Progress Meeting



SERPM9 VISUM Training