



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

March 25, 2024 – 10:00 AM to 12:00 PM EST

Location:
Hybrid (Broward MPO and MS Teams)

Remote Access:
Microsoft Teams meeting
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Meeting ID: 235 733 444 16

Passcode: xwy3e4

Or call in (audio only)

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Phone Conference ID: 572 709 908#

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- I. Introductions (5 minutes)**
 - II. SERPM 8.0: Model Update Status (15 minutes – Srin Varanasi, The Corradino Group)**
 - a. SERPM8.541 Updates.**
 - b. Replacing POPSYN with POPSIM, from the Next SERPM8 Model Versions.**
 - III. SERPM 9.0: Model Progress Update (30 minutes – Rosella Picado, WSP)**
 - IV. E+C Network Coding Issues/Reviews/Status (15 minutes- MPO/TPO/TPA)**
 - V. RTP Update (15 minutes- Kittelson)**
 - VI. Member Comments (5 minutes)**
 - VII. Next Meeting**



Regional Transportation Technical Advisory Committee (RTTAC) Modeling Subcommittee

January 29, 2024, Meeting Summary

The following summarizes the RTTAC Modeling Subcommittee (RTTAC-MS) Meeting held virtually on January 29, 2024, through MS Teams.

MEETING TIME AND LOCATION

From the voting members, Paul Flavien (Broward MPO), Matthew Masa (TPA), Maria Tery Vilches (TPO), Raj Shanmugam (FDOT D4) and Ana M. Calleja (FDOT D6) participated virtually through MS Teams.

MEETING ATTENDEES (Voting members are underlined)

1. Aditya Katragadda, Corradino Group, akatragsadda@corradino.com
2. Ana M. Calleja, FDOT D6, anam.calleja@dot.state.fl.us
3. Ashutosh Kumar, Insight Transportation Group, ashu.kumar@insighttcinc.com
4. Behzad Karimi, WSP, behzad.karimi@wsp.com
5. Cesar Segovia, Florida's Turnpike Enterprise, cesar.segovia@dot.state.fl.us
6. Christine M. Springer, Jacobs, christine.springer@jacobs.com
7. Fadi Emil Nassar, Palm Beach County, fnassar@pbcgov.org
8. Franco Saraceno, Kittelson and Associates, fsaraceno@kittelson.com
9. Hector Di Donato, Miami-Dade TPO, hector.didonato@miamidade.gov
10. Hui Zhao, CTS Engineering, hzhao@ctseinc.com
11. Ken Kaltenbach, Corradino Group, kkaltenbach@corradino.com
12. Matthew Masa, Palm Beach TPA, [mmasasa@palmbeachtpa.org](mailto:mmasa@palmbeachtpa.org)
13. Paul Flavien, Broward MPO, flaviemp@browardmpo.org
14. Raj Shanmugam, FDOT D4, raj.shanmugam@dot.state.fl.us
15. Rosella Picado, WSP, rosella.picado@wsp.com
16. Srinivas Varanasi, Corradino Group, svaranasi@corradino.com
17. Sujith Rapolu, Insight Transportation Group, sujith.rapolu@insighttcinc.com
18. Tewari Edmonson, Miami-Dade DTPW, tewari.edmonson@miamidade.gov
19. Vilches, Maria Teresita (TPO), Miami-Dade TPO, maria.vilches@miamidade.gov
20. Yongqiang Wu, CTS Engineering, ywu@ctseinc.com

MEETING NOTES

The following is a summary of items discussed during the meeting.

I. Introductions (5 minutes)

Paul Flavien, the RTTAC-MS Chair, welcomed the group and briefly presented the agenda. The RTTAC-MS voting members introduced themselves.

II. SERPM 8.0: Model Update Status (15 minutes – Srin Varanasi, The Corradino Group)

Srin Varanasi provided an update about the next SERPM8 model version (SERPM8.541) release and testing. This version includes the following data updates:

- Broward and Palm Beach Counties' Lane re-purposing projects
- Broward MPO socioeconomic data updates based on the approved projects.

In addition, Palm Beach TPA has several recent land use approvals that will be included in a later version of the SERPM8 model. The Consultant and the TPA are working together in obtaining the correct data to be incorporated into the model.

Raj recommended formalizing the approach to make sure all the approved project intensities are incorporated into the official model. The T/MPOs will reach out to the local agencies/counties to obtain the latest approved land use data on a quarterly basis.

III. SERPM 9.0: Model Progress Update (30 minutes – Rosella Picado, WSP)

- Rosella Picado provided the SERPM9 model progress update. The model validation has been completed. The model has been slightly adjusted for additional transit calibration. The model currently is in testing to ensure the functionality in different computer configurations. The model will be released for the LRTP teams in 2nd week of February.
- Corradino has been working on programmatic network trimming and model validation.
- Corradino mentioned that the model runtime has been enhanced significantly by trimming down the OSM network and implementing CUBE Cluster optimization strategies. The network changes will be incorporated into the E+C network and tested.
- Ashu enquired if the SERPM9 transit file uses GTFS format. Rosella explained that the GTFS file is the starting point and has been converted to CUBE format. This is compatible with the OSM network. Srin clarified that the network trimming process ensured preserving the local links on which the transit lines are run.
- LRTP teams will be using the CUBE version of the model. After sufficient testing, the model will be handed over to PTV for VISUM conversion. Rosella will coordinate this effort.

IV. E+C Network Coding Issues/Status (15 minutes- MPO/TPO/TPA)

The MPOs confirmed that the E+C coding has been completed. Miami-Dade TPO updated their E+C networks to include the Better Bus project changes.

V. RTP Update (15 minutes – Franco Saraceno, Kittelson)

Franco Saraceno of Kittelson provided an update of the RTP. The RTP team has completed the coding of E+C networks and they are under reviews by the individual LRTP teams. The RTP team has been performing the high-level socioeconomic data growth checks. RTP team will conduct their scenario testing in the next coming months.

VI. Member Comments (5 minutes)

No additional comments were offered.

VII. Next Meeting

The next meeting will be a voting meeting that will be conducted in hybrid setting and is scheduled for March 25, 2024. Broward MPO will host the meeting for the voting members to attend in-person.

VIII. Adjournment*

Paul adjourned the meeting at 10:58 am.