

The logo graphic consists of three overlapping parallelogram shapes pointing to the right. The top shape is light green, the middle is light blue, and the bottom is a darker blue.

CAMBRIDGE  
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Think  Forward

# SERPMP 8 Model Status and Next Steps

*presented to*  
*RTTAC-MS*

*presented by*  
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# Project status

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- Latest version for use - January 30, 2019
- Bi-weekly maintenance calls
  - » Next call Monday, April 1, 3 - 3:45pm

# Documentation

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- Draft available
  - » Online documentation (<https://sites.google.com/site/serpm8reference/>)
  - » Development and Validation tech report
  - » Tutorial videos (installation, configuration, scenario creation, running the model)
  - » Executive Summary

# Model

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## ➤ Addressed reported issues

- » Link to MS C++ redistributable (vcredist\_x64.exe) added to online documentation
- » Update to latest JPPF (as completed in recent SERPM 7 enhancement) expected to resolve utilization of all physical processors on Windows 10+ systems

## ➤ Completed enhancements

- » SE Data and PopSyn reports integrated
- » Seed Skim utility
- » TNC and AV outputs presented in reports

# Next steps (May RTTAC-MS)

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## ➤ Documentation

- » Export mechanism for online documentation
- » Video tutorials
  - Highway network analysis
  - Reports
- » Application and Maintenance Guide (extension to online)
- » Parameters and Structure Guide (extension to online)

## ➤ Model

- » Highway network attribute clean up and D6 feedback in process
- » TNC scenario calibration
- » Add checks on Voyager.exe existence
- » Default to running max threads with user option to limit

# Future work

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- Model operation sensitivity testing
  - » Seed skims
  - » Shadow pricing
  - » Configured threads
- Improve model operation
  - » Simplify assignment to remove pay/no-pay distinction
  - » Change convergence criteria for intermediate feedback iterations
  - » Streamline accessibility calculations
- Windowed area model
- PopSyn updates and support utilities
- Review changing toll calculations with Turnpike

# Questions

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