SERPM 8.0 Model Documentation and Training Plan

Presented 3/20/2017





- SERPM 8.0 documentation will build on resources previously available
 - » SERPM 7 Model users guide
 - » SERPM 7 Development report
- SERPM 8.0 documentation will have several components that are easily accessed and reinforcing
- SERPM 8.0 training materials will be multi-layered and use multiple approaches



Documentation

Primary Documents

- » Executive Summary
- » Model Development and Validation Technical Report
- » Model Parameters and Structure Guide
- » Model Application and Maintenance Guide
- Other mediums (Model Application and Maintenance)
 - » Wiki-type sites with linked information
 - » Video guides



Executive Summary

High level description of:

- » Model coverage area
- » Model features and applications
- » Validation results
- » Future mobility capabilities
- Target audience:
 - » MPO Directors
 - » Transportation Planners



Model Development and Validation Technical Report

Detailed description of:

- » Source data (e.g. estimation / validation datasets)
- » Development process
- » Estimated model component structure and parameters
- » Calibration adjustments
- » Validation results
- Target audience:
 - » RTTAC-MS
 - » Power model users and future developers



Model Parameters and Structure Guide

Detailed description of:

- » Implemented model structure
- » Model component parameters and location of parameters

Target audience:

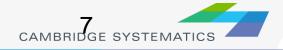
- » RTTAC-MS
- » Model users and future developers



Model Application and Maintenance 'User's Guide'

Detailed description of:

- » Modeling assumptions and limitations
- » Model outputs and reports
- » Step-by-step for model installation, operation, and troubleshooting
 - Checklists for common tasks
- » Application considerations and recommendations
- » Future model checks and validation (as new data becomes available)
- High-level description of:
 - » Model operation and parameters
 - » Validation results
- Target audience:
 - » RTTAC-MS
 - » Model users



Model Application and Maintenance Guide -Deployment Mediums

- Document with appendices (PDF)
 - » Available through project website for download
 - » Included with model deployment
 - » Useful for detailed reference
 - Slide-docs
 - » Available through project website for download
 - » Included with model deployment
 - » Useful for quick-reference / first time use

PDF and WikiSite will have FULL set of documents. Changes to WikiSite will be ported to PDF through later model releases. Except

- Wiki-Site
 - » Publically visible restricted editing
 - » Hyperlinked
 - » Easy to update and maintain
 - » Application repository
 - Interesting applications
 - Lessons learned
- Video tutorials (select topics for new users)
 - » Individual videos, 5-10 mins in length
 - Model installation and setup
 - » Accessing model results

Slide doc and Video Tutorials will direct users

Training

- Prior to finalized model delivery RTTAC-MS
 - » Review model implementation and features
 - » Provide opportunity for comment on model interface and training structure
- Model delivery
 - » RTTAC-MS: on-site setup and one-on-one walkthrough
- LRTP Development
 - » MPO and MPO/LRTP Consultant
- 3-6 months after LRTP Adoption and Model Release
 - » Application-based onsite support
 - » Online webinars and workshops (recorded and available online)
 - » Modeling community: in-person tutorials and workshops (e.g. through FSUTMS)

