

# SERPM 8.0 Model Documentation and Training Plan

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# Overview

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- 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

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- 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

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- 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

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- 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

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- 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'

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- 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

- 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

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

Slide doc and Video Tutorials will direct users back to PDF / Wiki for more information



# Training

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- 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)