

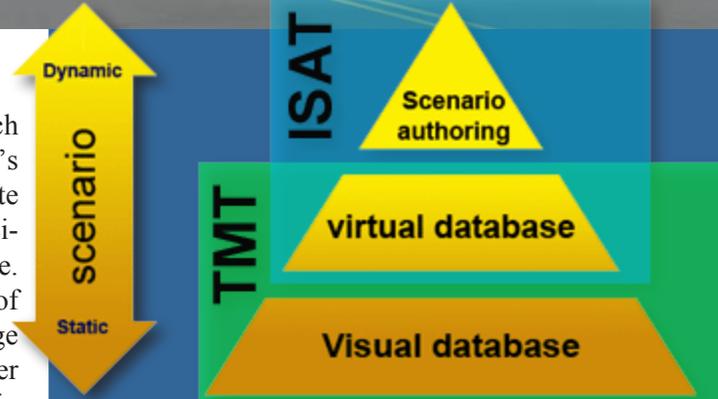
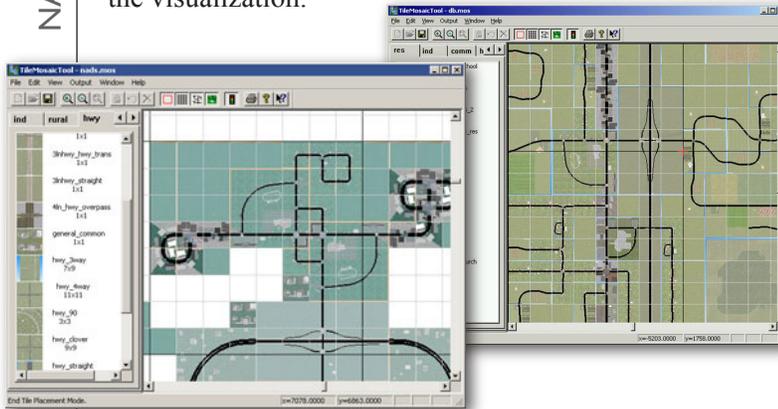


NADS Scenario Authoring Tools

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NADS Tile Mosaic Tool

The TMT (Tile Mosaic Tool) uses a tile-based approach to putting together visual databases. Using the TMT's graphical interface, the user can construct a complete visual database with tile pieces from the NADS Tile Library—a process akin to constructing a jigsaw puzzle. The TMT outputs both visual and logical versions of the visual databases, which are then sent to the image generator computers for visualization and use by other tools (ISAT™) to place dynamic scenario elements in the visualization.

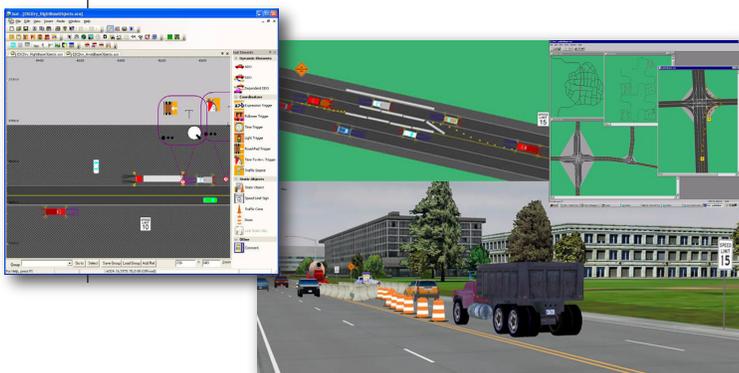


A set of in-house tools facilitate development of virtual environments and scenarios at the NADS. Two key off-line tools (TMT™ and ISAT™) are instrumental in developing the real-time visual databases and scenarios that run on any driving simulation virtual environment, including the NADS.

NADS Interactive Scenario Authoring Tool

Scenario authoring at NADS is done using the ISAT™ (Interactive Scenario Authoring Tool). This mature tool has been developed and refined over the past decade to provide a user-friendly graphical interface for developing scenarios. ISAT features include the following:

- Ability to author complicated scenarios
- Execution of scenarios for testing and debugging
- Playback of data collection for verification and analysis
- Production of media content, including pictures and videos
- Executable on a desktop or laptop PC



System Requirements

Minimum:

- Pentium II-class computer
- 256 MB RAM
- 1024x768, 16-bit display
- 200 MB available disk space

Recommended:

- Pentium 4 or higher
- 1+ GB RAM
- 1280x1024, 32-bit display
- 200 MB available disk space

ISAT and the TMT may be run on most modern Microsoft Windows platforms (2000 / XP / Vista).



The National Advanced Driving Simulator

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