



Version 4.1

Prepared by the

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Prepared for:

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US Department of Transportation

Washington, DC 20590

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What's New in Turbo Architecture 4.1

This document highlights the changes in Turbo Architecture Version 4.1. It is written for users of previous versions of Turbo Architecture who are interested in a quick overview of the enhanced features of the new software. This document does not provide a detailed explanation of Turbo Architecture operation. The reader is referred to the User's Manual for these details.

In addition to the new features and enhancements described below, Turbo Architecture Version 4.1 also corrects all known software issues from previous versions. The National ITS Architecture web site (<http://www.its.dot.gov/arch/index.htm>) is the best resource for current information on Turbo Architecture. Visit this web site and click on the "Turbo Architecture" link for more information.

User Interface Enhancements

The user interface for Turbo Architecture Version 4.1 will look familiar to Version 4.0 users. On closer inspection, you will see a few key enhancements to the diagrams produced.

- **Sausage.** In Turbo V4.1, The high-level diagram showing subsystems and the types of communications interconnects has been updated to be consistent with the terminology of version 6.1 of the National ITS Architecture. Specifically, the Dedicated Short Range Communications (DSRC) sausage has been renamed the "Field-Vehicle Communications."

New Capabilities

- **Web.** In Turbo 4.1, you now have ability from the Output menubar to generate web pages based on your regional architecture information. The Output / Web Pages windows allow you to setup the files and higher level information to configure the web pages and then generate the high-level, detailed, and diagrams for the web pages. Use the User Manual to find out more about the basic and advanced capabilities provided.
- **Communications elements.** Some architectures make use of communications hubs or other technologies that are important to recognize during the planning and project implementation process. Turbo now provides a way to add a communications type of element to the inventory and, through the Interconnect view of the Interfaces tab, to show what elements are connected using these Communications type elements. The diagram generation tool has also been updated to show these special comm. elements for your architecture.

Support for National ITS Architecture Version 6.1

Turbo Architecture Version 4.1 is compatible with Version 6.1 of the National ITS Architecture (released in January 2009).

To see read detailed descriptions go to the What's New section of the Architecture website – go to <http://www.its.dot.gov/arch/index.htm> and click on the "National ITS Architecture web site" link.