

# National ITS Architecture

## Turbo Architecture

### *What's New*

ARCHITECTURE



**Version 5.0**

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**Prepared for:**

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## ***What's New in Turbo Architecture 5.0***

This document highlights the changes in Turbo Architecture Version 5.0. 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 5.0 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 5.0 will look familiar to users of previous versions. On closer inspection, you will see a few key enhancements to the user interface and the outputs produced.

- **Overall Look-and-Feel.** In Turbo V5.0, the underlying software environment was upgraded from Visual Basic v6 (circa 1998) to the latest Visual Studio employing the Microsoft .NET environment. This will make the software itself more maintainable in the future while preserving the same overall functionality. You may notice some differences in the screens but these should be subtle not affect operation of the features you use.
- **Planning Tab.** The most obvious change is the addition of a new Planning Tab on the user interface. This new feature supports the connection between planning activities and the process of using and maintaining an ITS architecture. Users can create lists of Needs or objectives and strategies and connect those needs to regional services in the regional ITS architecture.

### **New Capabilities**

- **Document Generation.** In Turbo 4.1, the ability to generate web pages based on your regional architecture information was added. Now you can generate a Word document, with standard document chapters devoted to each requirement of the final rule. The document is based on a standard Word Template that the user could modify (e.g., add logos, update boiler plate text, tailor which reports are included). Users can expand this template to include chapters for architecture inventory, stakeholders, etc. that are derived from the Turbo database. Use the User Manual to find out more about the basic and advanced capabilities provided.
- **Tabular Outputs.** A new method of output now allows you to generate tabular versions of the key Turbo outputs such as stakeholders, inventory, market packages, etc. The tables can be saved as a MS Word table or Excel spreadsheet on PCs that have Office installed, or as a Comma Separated Variable (CSV) text format.
- **Spell Check.** Many of the various names and descriptive fields that the user enters can now be spell checked by Turbo. Note that names in particular would often include place names and abbreviations that would cause many "problems" to be identified during the spell check process but a custom user dictionary can be used to learn new terms that are unique to your setting.

### **Support for National ITS Architecture Version 6.1**

Turbo Architecture Version 5.0 continues to be compatible with Version 6.1 of the National ITS Architecture (released in January 2009). The only changes have been to update the mapping between the information flows and the latest ITS Standards activities.

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.