

# **Hazardous Material Transportation Safety and Security Field Operational Test: Detailed Test Plans Document**

The Detailed Test Plans document describes the evaluation of the FMCSA Hazardous Materials Safety and Security Operational Test. It is presented in hierarchical order, from a methodological overview down to a greater level of detail of data elements and evaluation activities. These sections are:

- ◆ The evaluation methodology (Section 2) – Describes the research approach, measurements to be made, types of data that will be collected to support the analyses, and the analytical framework for conducting the evaluation assessments. This section enables the definition of the evaluation assessments, neutral of the complex association of technologies to individual test scenarios, in order to present concise descriptions of analytical approach.
- ◆ Component technology functions and test data streams (Section 3) – Provides details on the key functional and technical features for each of the component technologies at the individual technology level. Along with descriptions of the component technologies, there are specific examples of potential data collection elements for each applicable component technology.
- ◆ Scenario-specific evaluation activities (Section 4) – Provides a detailed description of the specific evaluation activities planned for each sub-scenario. The component technology functions and test data streams section describes each planned deployment component, while this section groups them into the defined scenarios. This information summarizes the technology deployments for each of the sub-scenarios and identifies specific data collection opportunities and mechanisms. In addition, it provides a brief overview of the scenario characteristics.

The document also details the methodology used for the security, safety and operational efficiency impact assessments. The full executive summary for the document can be found at [http://www.itsdocs.fhwa.dot.gov/jpodocs/repts\\_te/13899.html](http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13899.html)