

RD&T Technology Facilitation Strategy

The following provides a framework for items to be included in facilitation strategy action plan. The items should be developed in coordination with appropriate CBU contact. This framework can then be used to finalize the action plan for delivery of research products.

PRODUCT *Describe product and its use*

Description of Product: Highway Safety Information System

There are two primary Highway Safety Information System (HSIS) products: research results and data.

Over the next year, new research results from the following HSIS studies will become available:

- 1) Safety Evaluation of Rolled-In Continuous Rumble Strips Installed on Freeways
- 2) Safety Effects of the Conversion of Rural Two-Lane to Four-Lane Roadways
- 3) Characteristics of Large Truck/Passenger Car Crashes
- 4) Validation of the IHSDM Two-Lane Segment and Intersection Models
- 5) Relationship between Red-Light Running Crashes and Geometric Design
- 6) Implications of a Towaway Reporting Threshold on Safety Analyses

As part of the project, HSIS is designed to provide data to “external” researchers for research conducted in the general public interest that is intended for publication in a scientific journal or other national publication. Samples of data are provided to university researchers, NCHRP researchers, safety organizations, and others for use in various efforts. Data will be provided to “external” researchers when requested.

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Intended User

The users of HSIS research findings will depend on the particular topic studied in a HSIS research effort. If the study results are pertaining to a large truck safety issue, then the motor carrier community and others interested in the topic will be the intended users. Recently, HSIS has been used extensively to support the Interactive Highway Safety Design Model (IHSDM). The results from these efforts are being integrated directly into IHSDM.

It’s expected that the users of HSIS information will make more informed decisions about safety than they would without the information.

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Distribution methods

Summary reports are produced to highlight findings from HSIS studies. These reports are short, policy-oriented publications and have been very successful. In an effort to collect additional information on who is reading the HSIS summaries, whether they are being used in decision making, what changes to the summaries should be made, and suggestions for future HSIS research, a questionnaire was included in a recent summary. Very few questionnaires were returned but the ones that were expressed positive remarks regarding these HSIS reports. HSIS research is also published in TRB publications and other national publications. For some future HSIS summary reports, transmittal memos will be considered and prepared as a cover to the summary reports for FHWA resource centers and division offices. These memos will serve to provide additional guidance on the use and importance of the information presented in the report.

The summary reports are distributed through FHWA’s complete mailing list, through direct mailing to over 400 individuals, and on a requested basis. In addition, selected summaries are also included as inserts in the ITE Journal. Turner-Fairbank’s Web site www.tfhrc.gov has an HSIS page. This page provides an overview of HSIS, access to the summary reports, and a request form for “external” users to complete for requesting a sample of HSIS data for use in a particular study.

On an annual basis, presentations on HSIS efforts are made at national conferences.

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Alternative Formats

A core group of approximately 5 field safety specialists (“HSIS safety team”) need to be identified to serve as champions for HSIS. These resource center and division safety specialists could market HSIS as an analysis resource and findings from HSIS studies at regional conferences and State meetings.

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Delivery Date

HSIS research results and data are distributed on a continuous basis throughout the year.

PROGRAM/PRODUCT SUPPORT *List contact information for subject matter experts or resource team*

CBU Contact(s)

Carl Hayden

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Resource Center Contact(s)

Frank Julian

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Division Office Contact(s)

To be determined.

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Other Contact(s)

HSIS state liasions. There’s a State DOT liasion for each one of the 8 HSIS states.

OUTREACH *Describe opportunities or planned external outreach*

Conference Presentations (ITE, AASHTO, TRB, etc)

Presentations will be made at ITE and TRB meetings.

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Publications (ITE, Public Roads, Transporter, etc.)

Summary reports will be appear in ITE journal. Full research papers will be published by TRB and other organizations. Announcement of key HSIS research findings will be published in the Transporter.

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Other Outreach Activities

TRAINING *Describe formal training, briefings or workshop developed or needed*

Materials Needed

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Instructor Requirements

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**Schedule of Training/
Workshop/Briefing**

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Intended Audience

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Alternative Formats

PROGRAM INTEGRATION *Should include discussion of transfer of program activities to appropriate CBU*

CBU Contact

Carl Hayden

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Research Contact

Michael Griffith

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