



CSCRS Tech Transfer Call

Agenda

- Updates from UTC Directors meeting at TRB
 - Tech transfer plan
 - 508 Compliance
 - Publishing/archiving
- Overview of project close out process
- T2 and Non-Research activities sharing

UTC Meeting Updates: Administrative Highlights

- Year 3 funds now RECEIVED
- Kevin Womack retiring in September 2019
- Semi-Annual Progress Report to replace the PPPR
 - Due 4/30/19, covering 10/1/18-3/31/19
 - USDOT creating a template to judge the report against our T2 plan
 - 20 pages to report outputs, outcomes, impacts, and discuss why/why not we're hitting our targets; ok to describe "anticipated" impacts
- Stay tuned: Request for input to Fast Act Annual Congressional Report
- OIG audit: watch for unallowable/unreasonable expenses (pens, bottles, promo items, foreign travel, etc.)

UTC Meeting Updates: Tech Transfer Plan Issues

- USDOT is looking for:
 - Marketable technology transfer processes
 - Work with University IP offices
 - Good indicator of success: licensing revenue returned to the university
 - Performance measures that DON'T duplicate academic metrics
 - Want to push beyond counting papers and presentations
 - Emphasize outcomes and impacts, not just outputs
 - Improved and clear processes to track projects after the project is completed
 - Evidence of “structural” changes created by the UTCs
 - Internal to universities
 - External: corporations, agencies, etc.

Tech Transfer Resources

- CSCRS Tech Transfer Plan (12/18 version)
- Mobility21 Tech Transfer Plan
 - Cited as a “model” by USDOT
- Advisory Board members
- TRB Committees (like ABG30) and other professional groups
 - ITE

TRB Technology Transfer Committee (ABG30)
sites.google.com/site/trbt2committee | Follow us on Twitter @TRBTechTransfer

Mission: To support transportation stakeholders in the effective use of technology transfer practices to achieve faster and more widespread implementation of research results.

TECHNOLOGY TRANSFER →

R&D → Adoption → Implementation → Results → Evaluations

How Can We Collaborate? ABG30 is dedicated to learning about and promoting technology transfer strategies and successes across all TRB committees. Please let us know how your committee encourages implementation of your research. Do you have ideas for joint papers at the Annual Meeting? Email Stacy Goad Williams at sgwill@uark.edu.

Key TRB Documents directly related to technology transfer and implementation:

TR News July-August 2017. Moving Research into Practice: Technology Transfer Successes
onlinepubs.trb.org/onlinepubs/trnews/trnews310.pdf
Members and friends of the Technology Transfer Committee provide a history of transportation technology transfer since the 1950s and describe a range of national and state examples: Virginia DOT's implementation program, FHWA's State Transportation Innovation Councils, NCHRP's implementation program, the national network of Local and Tribal Technical Assistance Programs, and a European company's experience in promoting new technologies.

Building a Foundation for Effective Technology Transfer through Integration with the Research Process, 2016
<https://rosap.ntl.bts.gov/view/dot/12262>
This primer provides an overview of the activities that are required to transfer most kinds of research results: Create a technology transfer plan, engage stakeholders, secure resources, and execute and manage the plan. Technology transfer professionals need a clear understanding of the practical issues surrounding the technology, an appreciation of the research, communication skills for engaging stakeholders, and accountability for results.

Transport Research Implementation: Application of Research Outcomes, Summary of the Second EU-U.S. Transportation Research Symposium, 2015
onlinepubs.trb.org/onlinepubs/conn/cps21.pdf
This document provides a summary of the entire content of the Symposium. The purpose was to promote cooperation across the Atlantic and share best practices for the implementation of research outcomes in the field of surface transportation at the local, state, national, and international levels.

NCHRP Report 768: Guide to Accelerating New Technology Adoption through Directed Technology Transfer, 2014
onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_768.pdf
This report outlines the principles of guided T², a process that allows accelerated adoption of new technology. It includes several actual DOT examples which illustrate the successful use of the guided T² process.

NCHRP Synthesis 461: Accelerating Implementation of Transportation Research Results, 2014
onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_461.pdf
This synthesis examines implementation practices used by public-sector non-transportation agencies, nonprofits, and academia to accelerate practical application of research results. The emphasis is on practices that might be useful for transportation agencies to create more responsive research programs.

UTC Meeting Updates: 508 Compliance

- For inclusion in NTL's Research and Open Science Access Portal (ROSA-P), all public facing PDFs must be accessible as of March 2018, per final federal rule
- Submitters can run Accessibility Check under 'Tools' in Adobe
- Improved accessibility also improves full-text searching and can improve search rankings in Google
- For 508 compliance questions, contact Larry Slaughter:
larry.slaughter@dot.gov

UTC Meeting Updates: Publishing

- National Transportation Library (NTL) is an archive that is required by law to hold all federally funded transportation research
- According to their public access plan, they need to be provided the final peer reviewed manuscript (can be after acceptance/publication) or Final Report
 - Can get a 12-month embargo or request an extension beyond 12 months
 - They can use the same DOI so that it points to the journal
- Theses/dissertations may be a special case

UTC Meeting Updates: Publishing

- “The journals know what’s happening” and most UTCs are not having trouble publishing.
- “USDOT doesn’t want to infringe on copyright and the producer still owns the copyright, but if the project is funded with federal dollars then the research is done under the stipulation that the research will be shared with the USDOT and the public.”
- “University legal may need to read through the journal and make sure that the journal copyright doesn’t affect USDOT access to the final content.”
 - Rider clause?
- Contact Leighton with questions: Leighton.Christiansen@dot.gov

Research Project Close-out Process

- New template provided: has required documentation page
- PI-led QAR, editorial, and 508 compliance check
- Internal peer review
- Final submittal
 - Formal UTC requirements initiated
- “Tech Transfer” conference call
 - Develop individual plan for next steps
- Development of “Research Brief”

Collaborative Sciences Center for ROAD SAFETY RESEARCH BRIEF

Completing the Picture of Traffic Injuries: Understanding Data Needs and Opportunities for Road Safety

This study provides a comprehensive analysis of pre-crash, crash, environment and post-crash datasets that inform road safety, including linkages between datasets and implications for safety.

Although traditional police-recorded crash data has improved over time, additional data and analytics demonstrate a more “complete picture” of crashes and injuries. Researchers examined this complete picture of crashes and determined which elements of data that exist outside of conventional crash data can contribute to this picture – building on existing efforts and understanding how emerging datasets can be mapped to crash data.

The main body of the report is meant to frame the issue of data that can be relevant to understanding crashes and show how they interface with conventional crash datasets. As a quick-reference guide, practitioners and researchers can understand how datasets relate to each other. The report concludes with a series of applications that can assist with, from seatbelt use to planning policies that can assist policy makers and contribute to visualization that helps tell compelling safety stories that guide safety improvements.

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LEARN MORE
<https://go.unc.edu/ccsr4>

COMPLETE PICTURE

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This project was supported by the Collaborative Sciences Center for Road Safety, www.roadisafety.unc.edu, a U.S. Department of Transportation National University Transportation Center promoting safety.

Non-Research Activities

- Updates on current activities
 - Fit within the Tech Transfer plan?
 - Methods to track/include in the April Semi-Annual Report?
- Future opportunities?