

Technology Transfer Innovation Program (T²IP)



Technology Transfer Innovation Program (T²IP)

- What Is the Program Mission
- Why Is It Important
- Who Is It Designed to Assist
- How Will It Encourage TT



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What Is the T²IP Program

Program Goal

The goal of the T²IP program is to provide UTCs with examples, resources, best practices and strategies with their stakeholders that will enable them to transform selected research efforts into products (applications) that can benefit the transportation community.



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Why is Technology Transfer (TT) Important

- Addresses U.S.DOT's Long Term Goals-System Improvements and Internal Strategic Plan
- Cost effectiveness-Promote Innovation
- Creates Employment Opportunities
- New Industry
- It's the Law within the Federal Government Bayh-Dole Act of 1980
- It's a UTC Requirement as well as a Goal



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UTC Program GOALS

- 1. *Research Selection: an objective process for selecting and reviewing research that balances multiple objectives of the program.*
- 2. *Research Performance: an ongoing program of basic and applied research, the products of which are judged by peers or other experts in the field to advance the body of knowledge in transportation.*
- 3. *Education: a multidisciplinary program of course work and experiential learning that reinforces the transportation theme of the Center.*
- 4. *Human Resources: an increased number of students, faculty and staff who are attracted to and substantively involved in the undergraduate, graduate and professional programs of the Center.*
- 5. *Diversity: students, faculty and staff who reflect the growing diversity of the U.S. workforce and are substantively involved in the undergraduate, graduate and professional programs of the Center.*
- 6. **Technology Transfer:** availability of research results to potential users in a form that can be directly implemented, utilized or otherwise applied.



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REPORTING REQUIREMENTS FOR UNIVERSITY TRANSPORTATION CENTERS (UTCs)

EXHIBIT A PERFORMANCE INDICATORS FOR UNIVERSITY TRANSPORTATION CENTERS (UTCs)

Research Selection

- **1. Number of transportation research projects selected for funding using your UTC grant funding (Federal and/or match).**

- **1a. Number of those projects that you consider to be: basic research _____, advanced research _____, and applied research _____. Projects may be included in more than one category if applicable.**

Technology Transfer

- **10. Number of transportation seminars, symposia, distance learning classes, etc. conducted by your UTC for transportation professionals.**

- **11. Number of transportation professionals participating in those events.**



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How Will T²IP Achieve its Goal?

- Introduction of USDOT SBIR program concepts and technology requests. <http://www.sbir.gov/>

SBIR Objectives are:

- Stimulate innovation
- Meet technology needs of USDOT via small business
- Increase commercialization of innovation
- Provide opportunity for diversity in transportation



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Types of Tech Transfer from UTCs

Research:

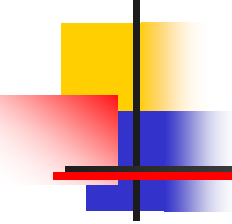
- Scholarly
- Latent/Passive- not purposefully developed for TT
- Strategic-UTC working with the LTAP
- Active- purposefully pursued to move into a product (application)



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Project Deliverables:

- Develop Prototype Program
- Selected UTCs To Assess Prototype
- Revise Prototype Based on Assessment
- Development of Suggested Outcomes
- Implement P1 Prototype with UTCs



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Program Outline-

Nine Areas

Section 1- Technology Transfer Background, Importance, Current Practice, Metrics

Section 2- SBIR Background, U.S.DOT SBIR, Other U.S. DOT Programs, STTR

Section 3- UTC Best Practices

Section 4- Program Discussion and Feedback

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Tech Transfer (TT) and Innovation Program Syllabus-Level One Development		
Agenda Item	Objective	Activity
1.Introduction of Participants	Audience Make-up and what they want out of the program	Who they are, what they do, what do they expect out of program flip chart to record responses
2.Overview of Program	Give Audience a Clear Understanding of the Programs Goals	PPT presentation/Audience participation
3.Significance of Technology Transfer in the UTC Program	Short Review of the UTC Tech Transfer Goal &activities used by UTC's to achieve TT goal	PPT review of UTC Program Goals and Stats on TT Current metrics used to document TT
4.Brief Introduction to U.S. Small Business Innovation Research Program	Provide the audience with a basic understanding of the why and what of the SBIR/STTR program	PPT of US SBA SBIR/STTR programs

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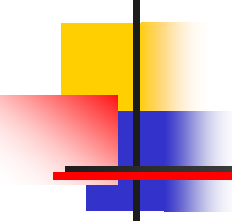
5.U.S. DOT Small Business Innovation Research Program Presentation	Provide the audience with basic understanding of why, what and how of the USDOT SBIR Program	PPT on USDOT SBIR Program
6.Other Programs in U.S. DOT Promoting Tech Transfer	Provide the audience with a basic understanding of what other programs USDOT has to promote tech transfer	PPT on USDOT /other programs supporting Tech Transfer
7.University Activities Facilitating Tech Transfer	Provide audience with a basic understanding of how other UTC's have accomplished Technology Transfer	Roundtable discussion by selected UTC's Develop list of best practices for Tech Transfer
8.Best Practices Tech Transfer	Provide the audience with cumulative list/matrix of best practices for TT	Roundtable discussion in small groups with cumulative summary
9.Program Evaluation and Adjourn	Provide audience with opportunity for evaluation input and after action review	Live and hand out evaluation form



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Who Can Benefit From T²IP:

- UTC- Faculty, Students, Administration, Stakeholder
- USDOT- RITA, SBIR, Agency R/T
- External Stakeholders
- Transportation Community



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How Can T²IP Achieve Its Mission:

- Spread the word-Awareness
- Disseminate Best Practices for TT
- Information Sharing between UTCs
- Additional Resources
- Process Model for Initiating TT
- WEB Portal and Workshops



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Feedback
Discussion
And
Thank You

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