



## T-SET UTC 2013 Annual Performance Indicators Report January 30, 2014

### Part 1- Program-Wide Indicators

Program-wide Indicators	Total
<b>1. Number of transportation related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.</b>	
Undergraduate courses	4
Graduate courses	15
<b>2. Number of students participating in transportation research projects funded by this grant.*</b>	
Undergraduate students	26
Graduate students	40
<b>3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.*</b>	
Master's Level Programs	9
Doctoral Level Programs	9
<b>4. Number of graduate students supported by this grant.*</b>	
Master's Level Students Supported	18
Doctoral Level Students Supported	15
<b>5. Number of students supported by this grant who received degrees.</b>	
Master's Level Degrees	10
Doctoral Level Degrees	2
<b>6. Number and total dollar value of research projects selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research:</b>	
Applied research projects & dollar value	\$1,537,669
Advanced research projects & dollar value	\$273,485

\*calculated using federal and recipient share

## Part II- UTC Specific Indicators

Category	Description of Indicator	Metric
<b>1. Research Capability</b>	Number of publications and citations of faculty work in transportation related areas.	26
<b>2. Leadership</b>	Number of new hires, new research initiatives, and special projects that build on intellectual leadership in field related to the mission of the UTC.	13
<b>2. Leadership</b>	Research collaborations in related fields.	5
<b>2. Leadership</b>	Quantified impact of technology deployments and transfers.**	3
<b>3. Education and Workforce Development</b>	Number of institutional educational partnerships	15
<b>3. Education and Workforce Development</b>	Number of participants in workforce and educational programs	800
<b>3. Education and Workforce Development</b>	Number of related degrees awarded at our instructions	4
<b>3. Education and Workforce Development</b>	Number of new education programs established	0
<b>3. Education and Workforce Development</b>	Number of job placements through workforce development programs	2
<b>4. Technology Transfer</b>	Number of conferences, meetings, an formal discussions that focus on end users of ITS	155
<b>4. Technology Transfer</b>	Number of patent applications filed	4
<b>4. Technology Transfer</b>	Number of startups created	2
<b>4. Technology Transfer</b>	Number of technology licenses issued	0
<b>5. Collaboration</b>	Number and diversity of members of the T-SET Consortium	33 (7 diverse)
<b>5. Collaboration</b>	Number and impact of deployments achieved through collaboration**	3

\*\*In 2013 three deployment projects with partners resulted in quantifiable impacts on the public:

- Tiramisu real time transit app has 3,400 average monthly active users
- SURTRAC adaptive traffic signals resulted in 41% reduction in wait time and 26% reduction in emissions
- Park PGH real time and predictive parking system monitors more than 5,300 spaces and 25% of garage parking in Downtown Pittsburgh, serving two million visitors to the Cultural District annually and approximately 149,700 daily commuters.

All UTC Semi-Annual Program Progress Performance Reports and Project Descriptions are publicly posted on <http://utc.ices.cmu.edu/utc/>