



Maintenance Decision Support System (MDSS) Focus Technology

David Huft

South Dakota Department of Transportation

TIG Vision & Mission

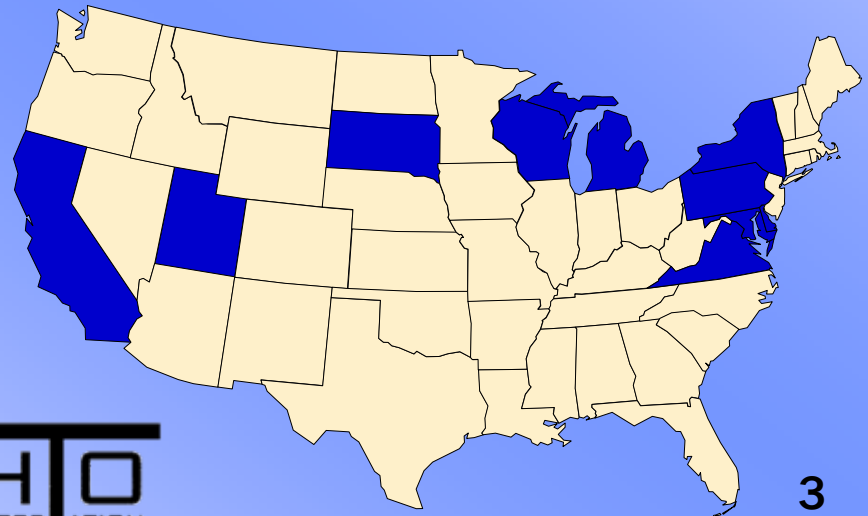
...a culture where rapid advancement and implementation of high payoff, innovative technologies is the expectation of the transportation community.

The purpose of the TIG is to identify and champion the deployment and implementation of a select few ready-to-use technologies, products, or processes that are likely to yield significant benefits to the transportation community.



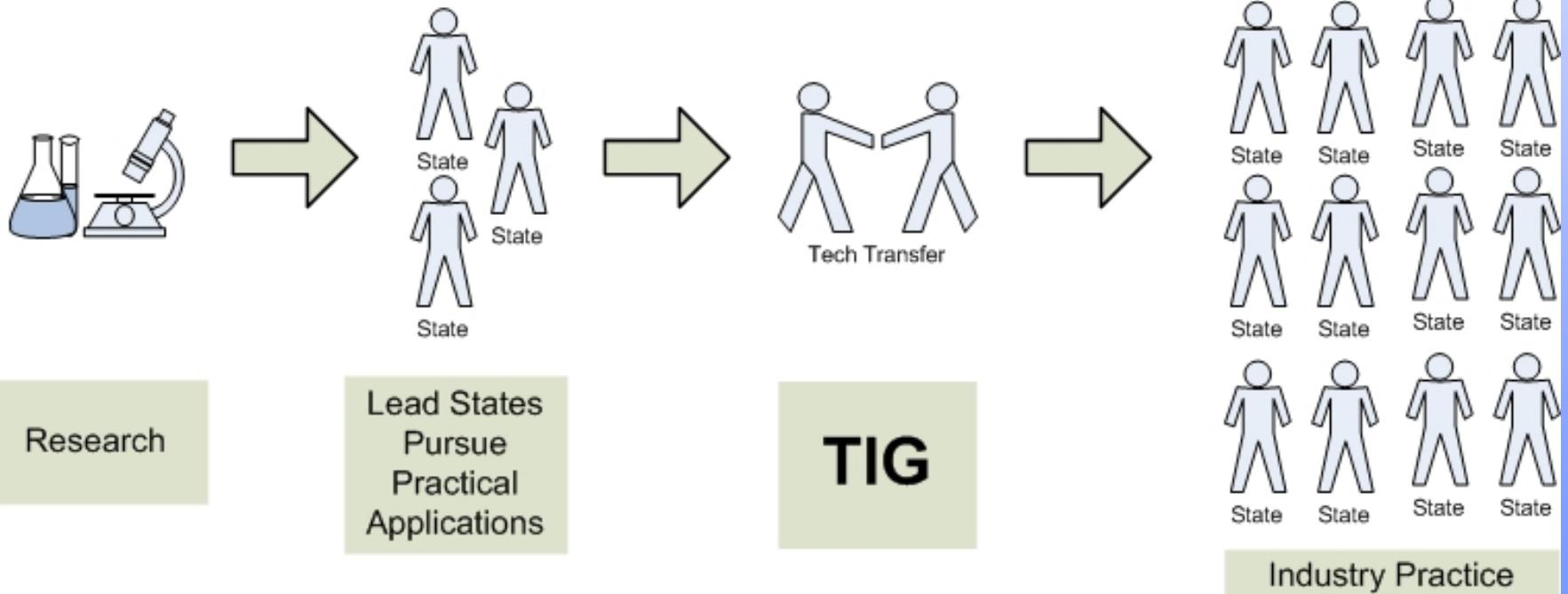
TIG Membership

- Vacant (Chair)
- John Polasek, MI (Vice Chair)
- Mike Shamma, NY
- David Azzato, PA
- Malcom Kerley, VA
- Tara Stewart, DE
- James McMinimee, UT
- Vacant (Region 2)
- Kevin Chesnik, WI
- David Huft, SD
- Randy Iwasaki, CA
- Fred Hejl, TRB
- Art Dinitz, ARTBA
- Tony Giancola, NACE
- Doyt Bolling, Utah LTAP
- Byron Lord, FHWA
- John McCracken, FHWA
- Keith Platte, AASHTO



TIG Role in Innovation

TIG's Role in the Technology Lifecycle



TIG Process

- Identify & Solicit “Ready to Use” Technologies
- Select High-Payoff Technologies for Focus
- Provide Leadership to Promote & Support Implementation
- Identify Technology Champions
- Fund Outreach Efforts
- Create Partnerships (Lead States Teams)
- Formulate Approaches for Rapid Development
 - Conferences
 - Showcases
 - Workshops
 - Marketing
 - Brochures
 - Manuals
 - Videotapes



2008 Nomination Form

**AASHTO Technology Implementation Group
Nomination of Technology Ready for Implementation
2007 NOMINATIONS DUE BY FRIDAY, SEPTEMBER __, 2007**

Sponsor	Nominations <i>must</i> be submitted by an AASHTO member department willing to help promote the technology.	1. Sponsoring State DOT:			
		2. Name:			
		3. Date Submitted:			
Description (20 points)	The term "technology" may include processes, products, techniques, procedures, and practices.	City:		State:	Zipcode:
		E-mail:		Phone:	Fax:
		4. Is the sponsoring state DOT willing to promote this technology to other states by participating on a Lead States Team supported by the AASHTO Technology Implementation Group? <input type="checkbox"/> Yes <input type="checkbox"/> No			
State of Development (25 points)	Technologies must be successfully deployed in at least one state DOT. The TIG selection process will favor technologies that have advanced beyond the research stage, at least to the pilot deployment stage, and preferably into routine use.	5. Name the technology:			
		6. Briefly describe the technology:			
		7. Please attach photographs or other images that illustrate the appearance or functionality of the technology. <input type="checkbox"/> Yes, images are attached. <input type="checkbox"/> No images are attached.			
		8. Briefly describe the history of the technology's development.			
		9. For how long and in approximately how many applications has your organization used this technology?			
		10. What additional development is necessary to enable routine deployment of the technology?			
		11. Have other organizations used this technology? If so, please list organizations and contacts.			
		Organization	Name	Phone	E-mail

Payoff Potential (20 points)	Payoff is defined as the combination of broad applicability and significant benefit or advantage over other currently available technologies.	12. How does the technology meet customer or stakeholder needs in your organization or others that have used the technology?	
		13. What type and scale of benefits has your organization realized from using this technology? Include cost savings, safety improvements, transportation efficiency or effectiveness, environmental benefits, or any other advantages over other existing technologies.	
Market Readiness (25 points)	The TIG selection process will favor technologies that can be adopted with a reasonable amount of effort and cost, commensurate with the payoff potential.	14. Please describe the potential extent implementation in terms of geography, agency type and size, or other relevant factors. How broadly might the technology be deployed?	
		15. What actions would another transportation agency would need to take to adopt this technology?	
		16. What is the estimated cost, effort, and length of time required to deploy the technology in another transportation agency?	
		17. What resources—such as technical specifications, training materials, and user guides—are available to assist deployment?	
		18. What organizations currently supply and provide technical support for the technology?	
		19. Please describe any legal, environmental, social, intellectual property, or other barriers that could affect ease of implementation.	
AASHTO Contact		Keith Platte Phone: 202.624.7830 Fax: 202.624.5469 kplatte@aaashto.org	American Association of State Highway & Transportation Officials 444 North Capitol Street N.W., Suite 249 Washington, DC 20001

Due September 12, 2008



TIG MDSS Lead States Team

Lead States Team

- David Cornett (KY)
- Allen Williams (VA)
- Steve Palmer (MI)
- Tony McClellen (IN)
- Phillip Anderle (CO)
- Ray Murphy (FHWA)
- David Huft (SD)

Partners

- Keith Platte (AASHTO)
- Monica Worth
(media consultant)
- Doyt Bolling (Utah LTAP)
- Steve Moler (FHWA)
- Tom White (FHWA)
- Mark Sandifer (FHWA)



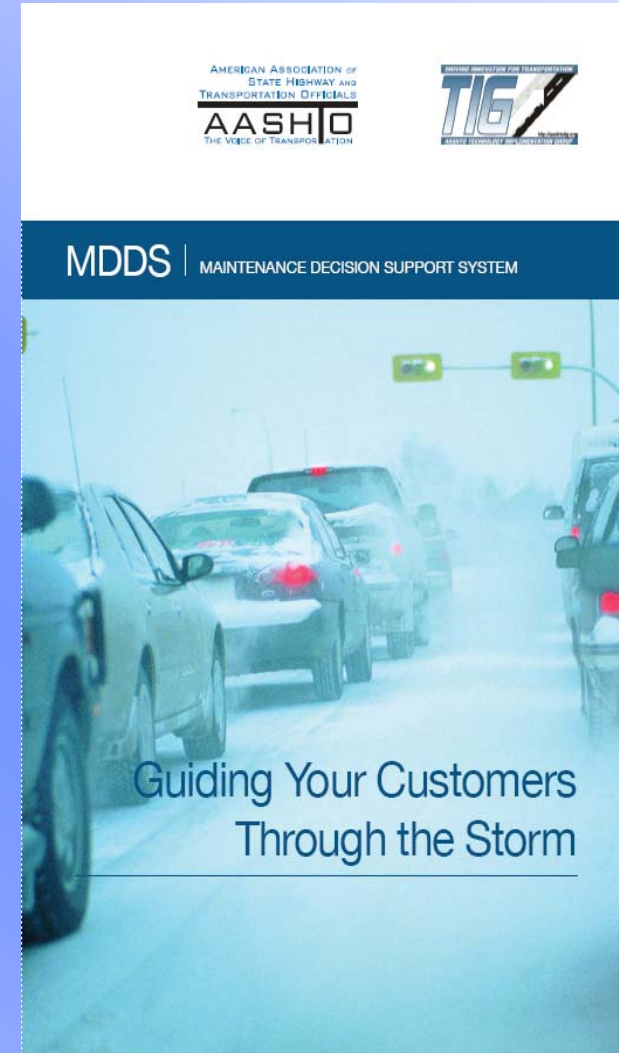
Outreach Approaches

- Multimedia Presentation
- Executive Brochure
- Field Staff Brochure
- Case Histories (ND, CO)
- Regional Product Demonstration Showcases (NE, PA, ID)
- State Visits, Road Shows
- Market Deployment Guide
- Target Decision Makers
- Involve Private Sector
- Partner with FHWA
- Stay “Brand Neutral”



MDSS Brochure

- Targets maintenance managers
- Field staff version to follow
- Reinforces multimedia presentation theme
- 8 pages
- Illustrations
- Contact information



MDSS Multimedia Presentation

- Targets maintenance managers
- Narrated
- Video Clips
- Photographs
- “Teacher” and “Student” versions
- 508 (ADA) Compliant
- Hyperlinked CD available Oct 2008



MDSS Outreach Timetable

	2006		2007						2008					
Develop Work Plan	■	■	■											
Develop "Message"			■	■	■									
Multimedia Presentation				■	■	■	■	■				■	■	
Brochures & Case Studies					■	■	■	■	■			■	■	
Regional Showcases											■	■	■	
Close-out													■	■

For Additional Info...

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