Open Source Portal
What is the Open Source Portal?

A web based tool for sharing information in support of developing Dynamic Mobility Applications

The Open Source Portal:

• Enables collaboration between multiple stakeholders
  – Stakeholders can share insights, algorithms, and source code

• Supports a collection of projects
  – Each project deals with research, development, testing, and potential commercialization of a single application
What Applications Does it Support?

1. Federally-funded applications
   • Mobility applications developed through funding from IntelliDrive Dynamic Mobility Applications program

2. Federally-approved applications
   • Mobility applications developed through non-federal funding and approved for inclusion in the portal by the IntelliDrive program.
What is in the Portal?

Information:

• Application documentation and source code
• Test Data sets for benchmarking applications
• Supporting meta-data
• Procedures for application testing
• Supporting documentation for test procedures
What else?

Functionalities that allow:

- Creation of new projects
- Submission of new applications, corresponding benchmark test data sets, test procedures and documentation for a project
- Configuration management of core assets
- Collaboration between inter-related projects
- Recognition of contributors to core assets
How do you use it?

• A preliminary governance document identifying roles and responsibilities of users and contributors is in development.

• We are considering the use of the NASA Open Source Licensing Agreement Version 1.3 (http://www.opensource.org/licenses/nasa1.3.php) to govern disposition of translating intellectual capital into intellectual property. We are also looking into other licenses for use. An analysis will be forthcoming.
How Will the Portal Be Developed?

- **Stakeholder Engagement**
  - User Needs Workshop
  - Meetings/Webinars

- **Concept of Operations**
  - Identify operational scenarios
  - Determine key concept decisions

- **Requirements Specifications**
  - Requirements on: Performance, Security, Traceability, Reliability, Interface, and Functionality

- **Testing and Implementation**
  - Will include developing plans for Configuration Management, Data Management, Operations/Maintenance, Transition
## Schedule and Next Steps

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<tr>
<th>Milestone</th>
<th>Estimated Completion Date</th>
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<tr>
<td>User Needs Workshop</td>
<td>January 2011</td>
</tr>
<tr>
<td>Concept of Operations</td>
<td>April 2011</td>
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<tr>
<td>Requirements Specifications</td>
<td>June 2011</td>
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<tr>
<td>Implementation Planning</td>
<td>October 2011</td>
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<td>Transition</td>
<td>November 2011</td>
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<tr>
<td>Building, Testing, and Deployment</td>
<td>February 2012</td>
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Objective:
• Enable the web portal software to be functional and sustainable in any environment

Once developed, the Open Source Portal can transition to:
• USDOT or its designee
• A non-federally funded entity (not for profit organization, private sector, or non-federal public sector)