

International Harmonization of Cooperative Systems Standards and the IntelliDriveSM Program






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Briefing Overview

- Update on key US Standards developments
- Harmonization Opportunity Assessment Plan and Working Group
- Update on key IntelliDriveSM developments

USDOT ITS Standards Development

Standard		Publication Date
	SAE J2735	Nov 2009 (v2)
	1609.3 and .4	July 2010 (planned)
	1609.1 and .2	Oct 2010 (planned)
	802.11p	Nov 2010 (planned)
	1609.0 and .11	Dec 2010 (planned)

- Continue support of DSRC/IntelliDriveSM Standards
- Continued update/maintenance support of infrastructure standards

USDOT and SDOs

ETSI:

- Access to ETSI drafts is key to timely understanding of global cooperative systems landscape
- USDOT is pursuing appropriate arrangements for access

SDOs in General:

- USDOT provides funding support for some ITS standards development/testing
 - Principles of consensus, openness
 - Mandated systems engineering processes
- USDOT does not mandate or endorse specific standards or SDOs

Harmonization Working Group

Harmonization working group within the EC-US Bilateral ITS Joint Task Force

- Wolfgang Hoefs and Steve Silll as Co-Chairs

Mission

“To identify opportunities for harmonization of international ITS cooperative system standards where such harmonization is determined to be an effective and practical means to providing enhanced benefits to the public while preserving objectives and requirements of local markets.”



Harmonization Opportunity Assessment Plan (HOAP)

- Finalizing a plan to identify harmonization opportunities
 - Harmonization Opportunity and Assessment Plan (HOAP)
 - Mid-February 2010 for target for final draft
 - Joint leadership, US funding of contracted work

- Multistage Reviews of existing and emerging standards
 - High Level Assessment (HLA) with recommendations for detailed assessment
 - Target completion by May 1 (depending on timely document access)
 - Detailed Level Assessment (DLA)
 - Scope/duration TBD
 - Harmonization Recommendations



Harmonization Opportunity Assessment Plan (HOAP)

Track 1: Assessment and Recommendations

- High level standards Assessment (HLA)
- Detailed level standards assessment (DLA)
- Harmonization opportunity identification (HOI)

Track 2: Detailed Agreement for Harmonization Procedures

- Detailed Agreement between EC and RITA

Track 3: Gap/Overlap Analysis for Future Standards

- ITS cooperative systems standards gap analysis



Methodology and Issues

- Harmonization Opportunity Assessment Plan will incorporate appropriate contractors and Standards Development Organizations (SDOs)
 - HLA: conducted by working group members and support contractor
 - Detailed Level Assessment: conducted by specific contractual agreement

- Large number of standards being developed that could fall into HLA
 - The initial plan will need to focus on specific areas or standards groups of highest priority
 - Standards list to be narrowed down to focus initial assessment

- Need to consider windows of opportunity to influence standards development/harmonization
 - Standards are in different phases of development
 - Revision cycles driven by test results may create opportunities



Near-Term IntelliDriveSM Activity

- ITS Strategic Research Plan now available
 - Five year research plan covering 2010-2014
 - http://www.its.dot.gov/strat_plan/index.htm

- Strategic Plan for ITS Standards is under development
 - Due Spring 2010

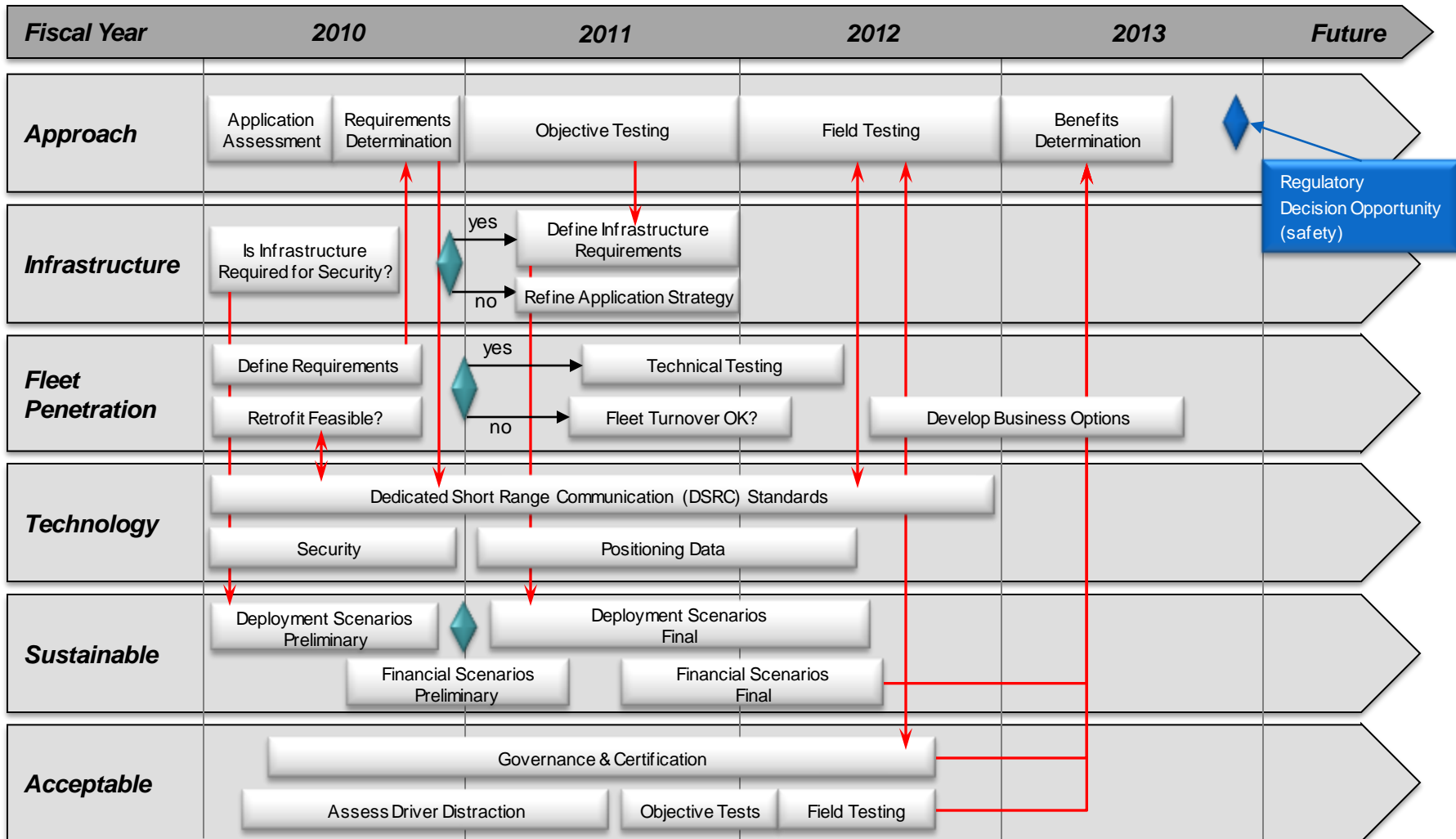
- Systems Engineering – award early CY10
 - Revisit system architecture
 - Broaden beyond DSRC only
 - Consider International developments

- Michigan Test-bed – award early CY10
 - Upgrade to stable operational state
 - Make equitably available to all for research
 - To be used for standards testing

**USDOT is committed to
the development of
standards for cooperative
systems**



Overall Work Program to 2013



• All work planned to continue beyond 2013 ...



For More Information...

Please visit the following websites:



www.its.dot.gov



www.intelldriveusa.org

Or follow us on:



http://www.its.dot.gov/rss_feed.htm



<http://www.its.dot.gov/exit/twitter.htm>