

Heavy-Duty Hybrids

2007 EMA Certification Workshop

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New Direction for the Project

- Goal - to develop a single fuel economy test procedure for all heavy-duty vehicles
- Compliance and voluntary groups were both working on HD test procedures
- Shift from developing procedures that are consistent to one combined fuel economy test procedure



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SmartWay Transport Partnership

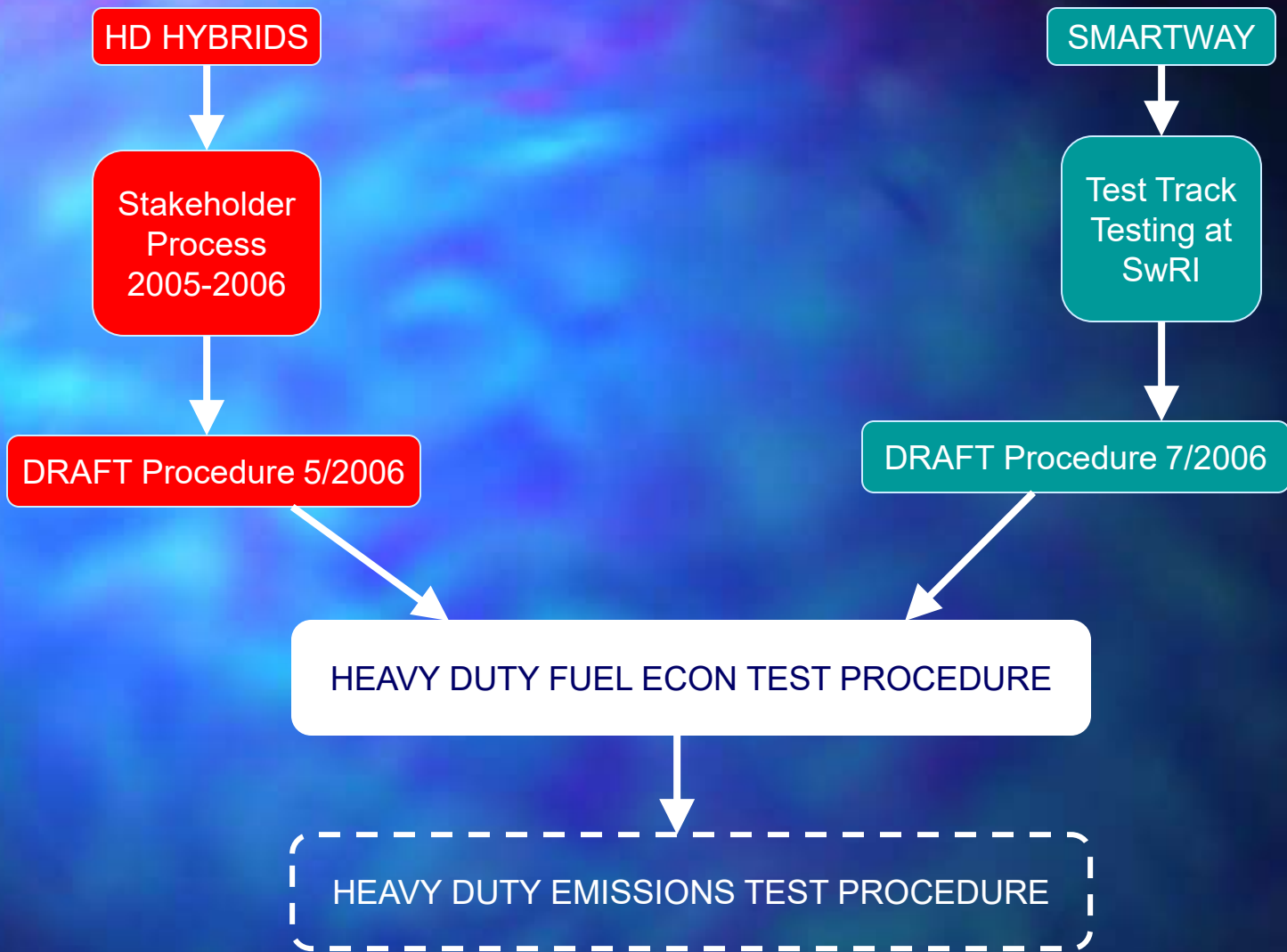


- The SmartWaySM Transport Partnership is a voluntary collaboration between U.S. EPA and the freight industry designed to increase energy efficiency while significantly reducing greenhouse gases and air pollution
- Companies or organizations can become partners by committing to measure and improve the efficiency of their freight operations and using EPA-developed tools that quantify the benefits of a number of fuel-saving strategies
- Currently there are 486 Partners including 332 truck carriers
- <http://www.epa.gov/smartway/index.htm>



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Combining Procedures

- Much of the material from the draft procedures will be used in the new combined FE document
- Drive cycles that were established during the HD hybrid stakeholder process will used
 - Transit bus drive cycle established
 - Small groups continue to work on refuse hauler, delivery and utility truck cycles
- Completing reserved sections of document
- SmartWay Group leading FE project
- Engine Group leading Emission project



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What does this mean for Tax Credits?

- Dept of Treasury is lead agency for implementing EPAct
- EPA to offer technical assistance
- EPAct offers tax credits to hybrids based on increased fuel economy when compared to a traditional vehicle
- State Implementation Plans for Air Quality (SIPs) quantify emission reductions



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Next Steps

- Draft/Finalize combined HD fuel economy protocol
 - Public process with opportunity for comment
- Develop voluntary HD emissions protocol
 - Protocol will be applicable to all HD vehicles
 - Set up procedures and equipment specification to be consistent with fuel economy document
 - Voluntary protocol could lead to regulatory process
- Significant participation from end users and hybrid integrators
- Limited engine manufacturer participation
- Will establish timeline for emissions after fuel economy protocol is drafted



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