

IVBSS Program - Phase I Report

Jim Sayer

IVBSS 2008 Public Meeting
April 10-11, 2008

Eagle Crest Resort & Conference Center
Ypsilanti, MI



The IVBSS Team



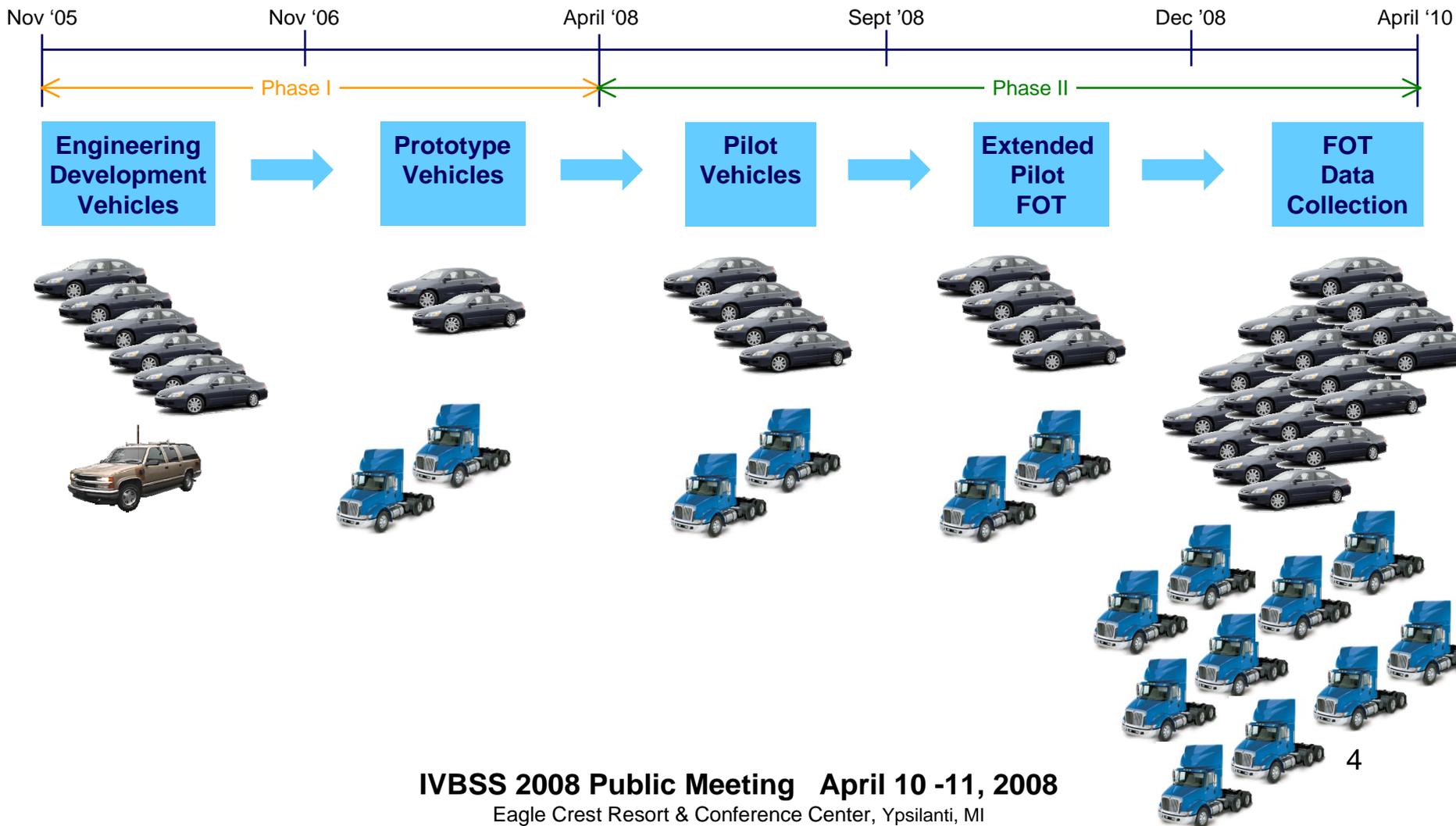


What is IVBSS FOT?

- UMTRI-led cooperative agreement with U.S. DOT (JPO, NHTSA and FMCSA)
- Assess integrated vehicle-based safety systems in passenger cars and heavy trucks
 - Safety benefits
 - Driver acceptance / ease of use
 - Willingness to purchase / marketability
- Lateral Drift, Lane Change/Merge, Forward Crash and Curve Speed Warning functions



Program Vehicles and Timing





Phase I Extension

- Four months were added to Phase I
- Verification tests were conducted, and some tests were not passed.
- The additional time allowed for changes to the subsystems
- The affected verification tests were re-run
- All verification tests passed
- Impacted the overall schedule, but attempting to minimize that impact



Year 2 Summary of Progress

- 1st annual report and annual video
- DVI/Human Factors studies
- Functional requirements
- System performance guidelines
- Prototypes built
- Jury drives and Stage 2 pilot testing
- Verification test procedures
- Verification testing completed



Year 2 Summary of Progress

- Phase I Interim report almost complete
- 2nd annual video completed
- Industry outreach through industry meetings, presentations and demos
- International Truck and Con-way freight officially joined IVBSS
- FOT Test Plan started



Public Documents

- 1st annual report
- 1st annual video
- DVI/human factors report
- Functional requirements
- System performance guidelines
- Verification test procedures
- 2nd annual video
- Phase I report and FOT plan will be public



Year 2 Challenges

- Completion of the verification tests
 - Defining the verification tests
 - Conducting the tests
- Introducing a new heavy truck OE

Program Status



- All verification tests have been passed



Program Status



- Both platforms are integrated, operational
- Light Vehicle Platform
 - Awaiting Phase II GO/NO GO decision
- Heavy Truck Platform
 - Awaiting Phase II GO/NO GO decision



About the Meeting

- All of the key members are present
 - Take advantage of speaking directly with them
- Copies of most documents on the CDs
- Demos today only
 - The demos in the adjoining room, and vehicles outside, are only here today
 - Open until 7:00 p.m.