OSGi Alliance Community Event

Technical Progress Report
Vehicle Expert Group

Recent Activities

- **VEG organized two requirements workshops in 2007**
  - Non OSGi-members were invited in order to align the activities of the Vehicle Expert Group with the demand of the automotive industry
- **1st Workshop was held on January 11th in the US**
  - Delphi headquarter in Troy, Michigan
  - 20 Participants
  - GM, Ford, Delphi, SiemensVDO, Intel, Renesas, Telcordia, CVTA, Booz Allen Hamilton, Wind River, etc.
- **2nd Workshop was held on March 22nd in Europe**
  - SiemensVDO in Eindhoven
  - 25 Participants
  - Volkswagen, Ford, SiemensVDO, PTV AG, Vialis, Iona, LogicaCMG, Aplix, Aonix, Eclipse Foundation, etc.

What did we do at the Workshops ?

- **Participants could give a short presentation on desired areas of work**
- **Open Discussion**
  - Brainstorming on topics that VEG should work on
- **Priortized ideas**
- **Continued discussions on prioritized topics**
- **Assigned companies to write RFPs**

RFPs in Progress (1)

- **Vehice Interface (Volkswagen & ProSyst)**
  - The primary objective of the vehicle interface is to allow an application to access vehicle related status information like VIN, vehicle speed, fog-light status, etc.
  - This Interface should allow application developers to query or, if allowed, set data in the vehicle representation
- **Navigation Domain Model SDK (PTV AG)**
  - Definition of APIs for navigation related components
  - Definition of Data Objects that will be shared between several components

RFPs in Progress (2)

- **Communication Manager (ProSyst)**
  - The Communication Manager should manage the communication for applications depending on what is available (e.g. DSRC, GSM) or specific bandwith is required
  - Applications do not have to be aware of the intricacies of protocol stacks and mobile session management
- **Real Time OSGi (Aonix)**
  - Determenistic handling of resources
- **Evaluation of a partnership with AutoSAR (Eclipse Foundation)**

Requirements in Progress (3)

- **HMI API (LogicaCMG)**
  - Binding to different UI technologies
  - Abstraction for UI Events / Events handling
  - Separate business logic from UI
- **Data Persistancy (Solid)**
  - Definition of standardized mechanisms to store data
  - Definition of standardized ways to synchronize data with backend systems