Automotive Industry Working Group

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November 1, 2010
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Strategic Drivers

• 80 – 90% of innovation electronics / software

• System orientation

• Change from 'Production Driven' to 'Quality Driven' and 'Innovation Driven'

• Innovation requires collaboration in value creation network

• Changing supplier networks

• Safety / environmental regulations
Operational Drivers

- Lack of tools support (existence, chain-ability)
- Increasing traceability requirements - functional safety (e.g., IEC 61058, ISO 26262)
- Data / model exchange in value creation network (supply chain)
- Lack of automation (high cost due to manual work)
- Tools performance
- Variant management
- Lack of software knowledge in the industry (‘steel benders’)
PAST

• First Meeting Stuttgart October 2008

• Financial and Economical Crisis 2009 stalled progress

• Restart Spring / Summer 2010 (Robert Bosch GmbH, Continental AG, BMW AG, Infineon)

• BMW AG start Membership Discussions (Summer 2010)

• Continental AG signs Eclipse Membership Agreement (October 2010)

• Presentation to Board on Nov 1st, 2010
Current

• BMW has signed Membership Agreement on Dec 20

• Formal creation of the IWG has been requested in January 2011 („Proposal Phase“)

• Initial members: Robert Bosch GmbH, Continental AG, BMW Group, Itemis AG

• Technical work has commenced

• Geensys (France) has requested membership in IWG

• Technology Domains: Modeling, C Dev, Multicore
Issues

• Lack of Marketing

• Lack of overlap of interest (in the detail)

• Lack of time to collaborate

• Lack of high-level management interest

• Needs to be addressed in the next months
Future

- Functional Safety
- Multicore (?)
- Long Term Support
- Event: Open Forum Stuttgart, July 12-13, 2011