The Nomadic Device Forum

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Nomadic Device issues explored in AIDE

- Safety effects of in-vehicle ND use
- ND integration in in-vehicle HMI
  - Use cases and requirements
  - Technical solutions

However, these issues are complex

- Life cycle difference vehicles vs. consumer electronics
- ND integration sensitive from business perspective
The need for a Forum

Needs:
- AIDE project need for input on nomadic device issues
- More general: Need for automotive vs nomadic device industries to meet and discuss

Objectives of first European Nomadic Device Workshop (January 2005, Brussels):
- Inform about the AIDE project and its work on nomadic devices.
- Validate use cases and user/stakeholder requirements for the AIDE project.
- Identify/confirm key issues for nomadic devices: safety, design, integration, installation, use, standardisation.
- Create a cross-sector European interest group concerned with all aspects of nomadic device integration and use in the vehicle

⇒ The Nomadic Device Forum launched June 2005
Management

- Chair: ACEA
- Organising committee – AIDE partners and others

Original working groups established

- WG A: Definition of “Smart Vehicle-Device Gateway”
- WG B: Safety and HMI Issues
- WG C: Business Case

Discussions have stayed within these main topics throughout

2005 – 2008: nine meetings (working group or plenary)
Harmonisation of ND activities in AIDE and GST projects

Improved cross-sector awareness and understanding of:

- Market trends and latest developments
- General use cases for a common vehicle-device interface
  - Driver access to ND functions from in-vehicle HMI
  - Central HMI coordination of ND functions with vehicle functions
  - ND as HMI component for vehicle functions
  - Improvement of ND functions by access to vehicle functions/data
  - Improvement of vehicle functions by access to ND functions/data (e.g. connectivity)
- Types of vehicle-device interfaces
  - Function specific (e.g. BlueTooth profiles)
  - Generic (e.g. AMI-C)
Improved cross-sector awareness and understanding of business issues related to a common vehicle-device interface

- Level of ND control of vehicle HMI?
- Branding?
- Liability?
- Certification?
- Development cost?
- Value chain?
- Life time of interface?

Delivery of WG-A report on use cases and requirements
ND Forum challenges and limitations

No real budget for between-meeting work on e.g. report writing

Business issues are very sensitive

Overall good participation, but constitution of Forum has varied over time

- Lack of ND manufacturer presence has been an issue at times
Meanwhile... 

Things that have happened during the life time of the Forum:

- Bilateral integration solutions on market
- Portable navigation explosion
- European Statement of Principles 2006
- Other common gateway efforts (e.g. CE4A)
Recent period has been active, with a slight shift of focus

- Two successful meetings (Oct 2007, Apr 2008)
- Forum now co-chaired by Medion
- Considerable representation of portable navigation manufacturers

Focus areas of discussions

- Memorandum of Understanding on ESoP
- ND Forum beyond AIDE
  - Organisation (eSafety Forum WG?)
  - Role in relation to other efforts
Conclusions and outlook

The AIDE Nomadic Device Forum has helped forward cross-sector discussions on ND issues considerably

AIDE leaves ND Forum at an exciting point in time
- Conditions for a constructive dialogue between OEMs and portable navigation manufacturers seem better than ever

Future depends on commitment and activities of current and new members

Join the discussions!