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We are, as company, currently developing the next generation IVI infotainment system for a number of OEMS. The next generation head unit will be a connected multiuser platform much like current smartphones. I'm also personally involved in integrating development tools for third party applications and the ability for third party application to access vehicle signals is a requirement that these tools need to fulfill. We also be believe that HTML5 will play a major role in future IVI systems, and not only as tool to access the cloud through web applications, but also for any type of application development, including the HMI.

We are still not there in terms of performance but the roadmap for coming hardware seems promising, and with that, we believe that much of the HMI work and application development will be possible to implement in HTML5 and Javascript, within the next years to come.

The ability to access vehicle specific data is important and to have a standard Web API. It is crucial to be able to do this in standardized way. One reason is of course being able to test applications prior to deployment. For this we would need to be able to simulate car signals. I believe that if we have a standard API this complicated task will be simplified. The main reason for having this as standard is of course to attract a large number of developers. The goal is that anyone interested in writing a IVI application can do so very much in the same way we are able to write applications for todays smartphones.

Drive distraction is regulated in different ways throughout the world. Is it the responsibility for an IVI Web API to take this into account. Is it even possible ?

Thank you for your attention. Mitsubishi Electric is looking forward to participate in this workshop.

Peter Winzell