THE FULLY NETWORKED CAR

GENEVA MOTOR SHOW @

The "Lightning GT" prototype electric sports car from the Lightning Car Company of the United Kingdom at the Fully Networked Car Workshop 2009

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GENEVA PALEXPO
SWITZERLAND

THE FULLY NETWORKED CAR @ GENEVA INTERNATIONAL MOTOR SHOW

WORKSHOP 3-4 MARCH 2010

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AN EVENT EXPLORING POSSIBILITIES IN THE CONVERGING
INFORMATION AND COMMUNICATION TECHNOLOGIES (ICTs) AND AUTOMOTIVE INDUSTRIES

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@

Workshop on ICTs in motor vehicles

Geneva Palexpo, 3-4 March 2010

The car industry is undergoing major changes with new services and applications in areas such as safety and security, navigation, car maintenance, fleet management, mobile office and entertainment. These changes represent significant opportunities… and some challenges. Standardization is seen as a major issue.

For the fifth year running, ITU, ISO and IEC will bring together the key players involved in the development of these standards, as well as other key industry figures for the Fully Networked Car Workshop at Geneva International Motor Show, 3 and 4 March 2010. Collaboration and coordination is – all parties agree – essential.

Given communications capabilities, cars can foresee and avoid collisions, navigate the quickest route to their destination, make use of up-to-the-minute traffic reports, identify the nearest available parking slot, minimize their carbon emissions and provide multimedia communications. Furthermore, environmental concerns have led to the development of new forms of propulsion, such as hybrid, plug-in, electric and fuel cell.

The information and communications technology (ICT) community, for its part, is moving towards Internet protocol (IP) based managed networks with the implementation of next generation networks (NGNs).

Given the potential of these new technologies for both the car and the ICT communities, it is essential for both parties to understand the requirements for fully networked cars and agree on the solutions to be provided by the network platforms.

Considering the cost of implementing solutions, interoperability issues and the difference between the life time of a car and the rapid evolution of relevant ICT technologies (e.g. wireless networks), a key factor for broad penetration of these new facilities will also be the availability of global standards.

In 2010, a special session at the Fully Networked Car will give executives from these different communities an opportunity to present high-level perspectives and strategies regarding the present and future use of ICT in cars.

Presentations are sought that address system capabilities to support applications and services in the following modes of communications:

- Vehicle-to-vehicle
- Vehicle-to-infrastructure
- Vehicle-to-home
- Vehicle-to-power-grid
- In-vehicle

Authors wishing to present papers should submit a one-page abstract, including the title of the paper and the author's full name, address, telephone and e-mail, to tsbcar@itu.int before Tuesday, 1 December 2009.