



## eSafety e-Newsletter No. 8 - January 2009

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### [10th eSafety Forum Plenary Meeting - safer and cleaner mobility](#)

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### [Most outstanding achievements in promoting eSafety systems in Europe awarded](#)

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The yearly European meeting of eSafety Observers, hosted by ICCS/CERTH, took place on 8 October 2008 in Thessaloniki, Greece.

### [IRM Workshop discussed users' benefits and market penetration](#)

Specialists of intelligent vehicle safety systems from all over Europe met on 5 November 2008 at the Diamant Centre in Brussels, for the Workshop: "User benefits drive the market".

### [The 15th ITS World Congress-"ITS Connections: Saving Time. Saving Lives"](#)

The 15th World Congress on Intelligent Transport Systems (ITS) took place from 16 to 20 November 2008, in New York and was organised by ITS America with the support of ITS Japan and ERTICO-ITS Europe.

### [Europe's roads need intelligent vehicle safety systems](#)

Key road safety players representing national and European interests meet on 25 and 26 September 2008 to review how hi-tech safety systems for cars, so called eSafety systems, can help reduce the number of fatalities and injuries on Europe's roads.

### [Publication of the eSafety -Implementation Status Survey 2007](#)

On behalf of the eSafety Steering Group, eSafety Support together with the Implementation Road Maps Working Group are pleased to announce the final release and publication of the "eSafety- Implementation status survey 2007" produced by the Technische Universität München.

### [Newly published ETSI Harmonized Standard will improve roads safety](#)

As part of the efforts to improve roads safety and traffic conditions, ETSI has published a Harmonized Standard enabling the automotive industry to introduce radio systems for 'smart' vehicle communications systems, so called 'co-operative' systems.

### ["Shaping the ICT research and innovation agenda for the next decade"](#)

On 4th September the European Commission has launched a public consultation where ICT experts, policy-makers and the wider public are asked to provide their contribution for a new ICT research and innovation strategy at European level.

### [Newborn Intelligent Infrastructure Working Group has started its activities](#)

A new Working Group was created in the eSafety Forum: the eSafety Intelligent Infrastructure Working Group (IIWG).

### [Telematics & Environment event: eCall situation update & CO2 reduction emissions](#)

CO2 emissions reduction in the automotive and transport sector and an update of the eCall situation were the main topics of the 'Telematics & The Environment' conference.

### [Cooperative Systems Workshop and Product Launch Event](#)

CVIS, European flagship project for Cooperative Vehicle-Infrastructure Systems, organised a two-day event that included a live demonstration of Europe's first universal platform for vehicle-to-infrastructure communication and services.

### [International Field Operational Test stakeholders meet in New York](#)

The first international workshop in the framework of the ERTICO-led FOT-Net project was successfully held on 20 November this year, after the ITS World Congress in New York. The workshop attracted more than 50 participants from Europe, US and Japan.

### [FOT-Net extra seminar on evaluating combinations of functions or systems](#)

The FOT-Net seminars held in October revealed the clear need to organise a seminar on how to deal with combinations of functions and/or systems in FOTs.

## **EU Commission and Industry set up 2010 priorities for Intelligent Car Initiative**

**Creation date:** 18 December 2008

On 17 September industry senior executives met with Viviane Reding, European Commissioner responsible for the Information Society and Media, and high level EU Commission representatives to discuss 2010 priorities for the Intelligent Car Initiative.

ICT and the Intelligent Car Initiative, of which eSafety Forum is a part, have played a key role in improving road safety in Europe, and there has been considerable progress in the targets set in 2003.

However the current economic situation and the climate change have made necessary to reassess the achievements of the last five years, and to set new targets for the next five years. The Intelligent Car Initiative remains the Commission's main instrument in this area, complemented in the future by the ITS Action Plan which is in conception phase.

The industry representatives coming from the automotive, telecommunications, telematics and services sectors are fully supporting the intelligent vehicle safety systems and Intelligent Car Initiative and therefore it was agreed that the debate on the future directions of the Intelligent Car Initiative and the eSafety Forum should be continued using the already established structures of the Forum.

Industry and EU Commission representatives agreed that the majority of the 28 Recommendations of the 2002 eSafety Working Group have been either completed or show good progress, and new targets are required for the next years.

Another important topics brought into discussion were the establishment of the eCall deployment Platform and the importance of getting Member States and other relevant stakeholders to join it and the lack of progress in some Member States regarding the standardisation process. Therefore industry is not considering 2010 as a realistic target date for eCall roll-out any more. The EU Commission committed itself to find ways of improving the standardisation process and as a first step by taking this issue up with the responsible Commissioners.

At the same time industry welcomed Commission's efforts to look into the potential of ICT in clean mobility, and urged the Commission to continue to promote the use of ICT in this area by implementing the recommendations of the "ICT for Clean and Efficient Mobility" Working Group.

Both parties considered important to maintain the dialogue and decided to meet in the near future for a follow-up meeting.

## **10th eSafety Forum Plenary Meeting - safer and cleaner mobility**

**Creation date:** 16 December 2008

The members of the eSafety Forum met in Brussels on 6th November for the 10th eSafety Forum Plenary Meeting. The eSafety Forum is a joint platform gathering over 150 active members representing all road safety stakeholders that are committed to support the development, deployment and use of active safety systems to enhance road safety throughout Europe.

The event featured presentations on Europe's needs to have a cleaner and safer mobility and on the future research challenges in the information and communications technologies. Another main topic presented at the meeting and welcomed by the participants was the final report of the "ICT for Clean and Efficient Mobility" working group. The report presents a review of the potential benefits and their significant impact that ICT (information & communication technologies) and ITS (intelligent transport systems) applications can have on road transport energy efficiency and emissions of pollutants and CO<sub>2</sub>.

The Forum concluded that the current technologies and applications developed by the open platform for vehicle-to-infrastructure communication and services (CVIS) should be adopted and used by all the other projects and more basic research is needed to create a harmonised set of core applications. Moreover the starting of the European-wide FOTs activities were considered to be necessary to assess the real impact of the introduction of the systems on the end users and on the traffic status. The results of these activities can become an important communication tool to raise awareness and to provide useful data to decision makers. For more information please [click here](#).

## **Most outstanding achievements in promoting eSafety systems in Europe awarded**

**Creation date:** 07 November 2008

At the 2008 award ceremony of eSafety Forum's "Saving Lives Awards", Ms. Viviane Reding, European Commissioner for the Information Society and Media, rewarded personalities and organisations having made outstanding contributions to accelerating the deployment of road safety systems based on Information and Communication Technologies (ICT). The laureates' activities have substantially improved road safety in Europe and supported the Commission's objective for 2010 to reduce by 50% the number of road fatalities on Europe's roads.

For 2008, the award winners were selected from the three categories of road safety stakeholders: Industry & Technology, Policy & Administration, and Lifetime Achievement.  
[For the full Press release, please click here](#)

## **eSafety Observers agreed on national priorities to boost eSafety deployment**

**Creation date:** 18 December 2008

The yearly European meeting of eSafety Observers, hosted by ICCS/CERTH, took place on 8 October 2008 in Thessaloniki, Greece.

For the sixth time eSafety Observers met together with the European Commission and eSafety Support experts to look at the real needs of the different European countries, to discuss how the European Union can better fulfil these needs and to come up with specific recommendations based on the actual situation in the different Member States (MS).

30 participants, representing governmental organisation, ITS national organisations or other similar bodies from 20 European Member States (MS), provided their input on eSafety situation, progress, needs, and knowledge on national good practices.

Member States representatives highlighted two actions undertaken or going to be undertaken to facilitate significant progress to reach the eSafety initiative objectives at national level.

A series of best practices should be disseminated at EU level, included the development of an action plan for eSafety implementation at national level, the large take-up of pilot test on more eSafety technologies, the promotion of eSafety technologies in national languages and the implementation of section speed control.

The major outcome of the meeting was the interest of Member States representatives in having tailor made actions supporting national deployment. For example the creation of local eSafety Fora would guarantee stakeholders' collaboration at national level, support the development of National ITS/eSafety organisations and the implementation of strategies with a clear identification of priorities and a budget estimate.

A strong cooperation between European eSafety Forum and National eSafety Fora would fulfil the need of synchronisation between decisions and actions undertaken at European and national level.

Finally, the eSafety Observers called for a specific structure to ensure interaction and knowledge transfer from most eSafety-advanced MS to the « learning » ones, and supply them with clear evidences to be shown to local stakeholders and decision makers.

## **IRM Workshop discussed users' benefits and market penetration**

**Creation date:** 18 December 2008

The eSafety Forum's Implementation Road Maps Working Group, together with the eSafety Support, organized, around the prestigious Award Ceremony, on 5 November 2008 at the Diamant Centre in Brussels, the Workshop: "User benefits drive the market".

Attended by around 80 eSafety stakeholders, the event brought together specialists of intelligent vehicle safety systems from all over Europe who shared their experience and address the main challenges of introducing intelligent vehicle safety systems into the market. The discussion focused on the current intelligent vehicle safety systems having large safety potential on reducing roads fatalities and how they can best be communicated to the end users.

The workshop took a closer look at the results from different studies on benefits of eSafety systems. The figures showed that Electronic Stability Control (ESC) has the biggest impact on reducing accidents and their consequences. However to prevent the accident from occurring in the first place there are other elements to be taken into consideration such as the responsibility and the real driver needs. The discussion pointed out that studies should also address the impact of in-vehicle safety systems on other road users, namely on motorcycles.

The interactive session enables participants to find out that, after ESC, the most important safety technologies are Forward Collision Warning systems, eCall and Lane Departure Warning and to identify the dealership (others insurance, driving schools) as the most important bodies to promote ESC.

The main conclusions stressed the importance to communicate the real benefits to the citizens and to promote effective implementation of already advanced technologies and services. There are several services and products on the market that are ready to be used, but have not been deployed to a large extent yet and therefore stakeholders cooperation was also seen as essential to address common concerns and accelerate overall deployment. For more information please [click here](#).

## **The 15th ITS World Congress-"ITS Connections: Saving Time. Saving Lives"**

**Creation date:** 16 December 2008

The 15th World Congress on Intelligent Transport Systems (ITS) took place from 16 to 20 November 2008, in New York and was organised by ITS America with the support of ITS Japan and ERTICO-ITS Europe. 10.000 delegates, amongst who over 900 were European, attended this annual meeting point of transport executives from around the world to share high-tech transport insights and experiences.

The largest ITS event consisted of over 300 plenary, executive, special and technology sessions with over 1000 papers delivered, complemented by a large exhibition and many demonstrations, most notably on the street demonstration of the U.S. Vehicle Infrastructure Integration (VII) systems, technical tours and many workshops and other events. With the theme of "ITS Connections: Saving Time. Saving Lives", the main objective of the World Congress on Intelligent Transport Systems (ITS) is to promote awareness and deployment of ITS technologies and services.

Previous and current experiences have shown that impact assessments still need to be carried out to show the real benefits of such systems, proper investments need to be made in the right technologies, and last but not least, people need to be informed and understand the great potential of these high-tech systems. ITS enables people to make transport choices that save lives, time, and money. With a focus on practical deployment, as well as on education and innovation, the ITS World Congress enhances our ability to work together to provide users of the world's transport systems new levels of safety, reliability, convenience, accessibility, and choice. For the more information please [click here](#).

## **Europe's roads need intelligent vehicle safety systems**

**Creation date:** 25 September 2008

Key road safety players representing national and European interests meet on 25 and 26 September 2008 to review how hi-tech safety systems for cars, so called eSafety systems, can help reduce the number of fatalities and injuries on Europe's roads.

Organised by eSafety Support and co-hosted by the Stratum OÜ, the 10th European eSafety Observers meeting will take place in Vilnius, Lithuania. The event features presentations by the European Commission and eSafety Support experts, giving an overview of the eSafety initiative, its current priorities and its achievements to date. National road safety players from Estonia, Latvia and Lithuania are also invited to provide a detailed status of eSafety development and deployment in the Baltic region through a series of presentations. For more information please [click here](#).

## **Publication of the eSafety -Implementation Status Survey 2007**

**Creation date:** 25 September 2008

On behalf of the eSafety Steering Group, eSafety Support together with the Implementation Road Maps Working Group are pleased to announce the final release and publication of the "eSafety- Implementation status survey 2007" produced by the Technische Universität München.

The market situation of infrastructure-related safety systems depends on political and financial issues in every European country. According to the study most of the intelligent car systems are available in the high-end range cars and in the latest models, which means that they are not available for a large proportion of Europeans.

If you want to get a clear overview on the current status of market penetration and coverage of eleven priority eSafety systems in all EU member states plus Norway and Switzerland in 2005 and 2007 please click [here](#).

## **Newly published ETSI Harmonized Standard will improve roads safety**

**Creation date:** 13 October 2008

Over 42 000 people died in road accidents in the European Union (EU) in 2006 and over 1,6 million people were injured in the same year. Approximately 7 500 km of traffic jams occur on EU roads every day. As part of the efforts to improve roads safety and traffic conditions, ETSI has published a Harmonized Standard enabling the automotive industry to introduce radio systems for 'smart' vehicle communications systems, so called 'co-operative' systems.

Such systems which enable vehicles to communicate to each other and to road infrastructure providers are based on wireless communication technology. Warning other drivers of adverse road conditions, or of a crash which has just happened are just two examples when this technology can contribute to reduce road accidents and traffic jams.

The European Commission (EC) published the decision providing for a single EU-wide frequency band to be used for immediate and reliable communication between cars, and between cars and roadside infrastructure, on 5 August 2008 (30 MHz of spectrum in the 5,9 Gigahertz (GHz) band), which is to be soon allocated to each EU Member State.

The Harmonized Standard ETSI EN 302 571 Intelligent Transport Systems (ITS): Radiocommunications equipment operating in the 5 855 MHz to 5 925 MHz frequency band; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive completes the set of legal and regulatory instruments required for introducing such communications technologies widely know as 'Intelligent Transport Systems' (ITS) across the EU.

Introduction of these communications technologies is not limited to the EU and can be accomplished in all European states since the European Communications Committee (ECC) published the documents "ECC Decision of 14 March 2008 on the harmonized use of the 5 875 - 5 925 MHz frequency band for Intelligent transport systems (ITS)" and ECC Recommendation (08)01:"Use of band 5 855 - 5 875 MHz for Intelligent Transport Systems (ITS)" in close collaboration with ETSI. For more information please [click here](#).

## "Shaping the ICT research and innovation agenda for the next decade"

**Creation date:** 11 September 2008

On 4th September the European Commission has launched a public consultation where ICT experts, policy-makers and the wider public are asked to provide their contribution for a new ICT research and innovation strategy at European level. The aim of this consultation is to enable the EU Commission to prepare a Communication on "strategy for ICT R&D and innovation in Europe" planned to be published in April 2009.

### ***This Communication should:***

Propose a policy approach which would reinforce the European leadership in ICT (Information and Communications Technology) and make Europe more attractive for investments in research, technology and people.

Give an overview of the future ICT challenges and opportunities as well as propose innovation programmes at EU and Member States level that would support research and innovation through new ways of partnership public-private and through smart public procurement to address Europe's key societal research.

Highlight a closer collaboration between Members States at different levels and draw attention to the need to design sustainable policies and financial instruments to support long term innovative projects that are part of the European policy goals.

The Communication seeks to launch a process of political consensus-building to prepare for future actions and initiatives.

Please note that the questionnaire of the consultation has three main sections - trends and changes in ICT, challenges on both the demand and supply side and solutions public policies could offer.

The public consultation is open until 7 November 2008 and can be accessed at: <http://ec.europa.eu/yourvoice/ipm/forms/dispatch?form=ICTRDI>

The EU Commission Press Release can be found at:

<http://europa.eu/rapid/pressReleasesAction.do?reference=IP/08/1287&format=HTML&aged=0&language=EN&guiLanguage=en>

## **Newborn Intelligent Infrastructure Working Group ready to start its activities**

**Creation date:** 07 August 2008

A new Working Group was created in the eSafety Forum: the eSafety Intelligent Infrastructure Working Group (IIWG). The newborn Intelligent Infrastructure Working Group (IIWG) of the eSafety Forum is ready to start its activities. The first meeting of the working group was held on 18 September at the eSafety Support premises in Brussels.

The IIWG focuses on the road infrastructure side of cooperative systems with the objectives of identifying the expectations towards intelligent infrastructure and achieving a balance between the goals of the road operators and administrations, and the industry.

Intelligent Infrastructure includes ICT and, more specifically, cooperative systems on the roadside as well as the back-office systems. In this context, cooperative means cooperation and communication among systems - covering infrastructure, vehicle and more generally user systems such as nomadic devices.

The IIWG will identify issues which need to be solved at the infrastructure level, in order to ensure the implementation of the most relevant cooperative services on the road infrastructure side, with a focus on the trunk road network. The IIWG will also identify the most mature and relevant cooperative services as well as their essential implementation issues and key stakeholders, and aims to develop detailed recommendations concerning the deployment of intelligent infrastructure in Europe in the near future.

The IIWG is a European Group, open to all active participants of the eSafety Forum. All concerned stakeholders representing Road Authorities, Motorway Operators and Road Users as well as Automotive and ICT Industry stakeholders interested in cooperative systems are specially invited to join.

The IIWG is co-chaired by representatives from ASECAP (Association Européenne des Concessionnaires d'Autoroutes et d'Ouvrages à Péage) and CEDR (Conference of European Directors of Roads). You can find more information and the draft Terms of Reference at the Working Group [webpage](#).

For further information or requests to become a member, please contact the Working Group Chairmen:  
[Paul van der Kroon](#), Rijkswaterstaat/CEDR  
[Rui Camolino](#), BRISA/ASECAP

## **Telematics & Environment event:eCall situation update & CO2 reduction emissions**

**Creation date:** 18 November 2008

The 'Telematics & The Environment' conference and exhibition took place in December 10 & 11, 2008 at the Radisson SAS in Gothenburg.

Throughout 2 days the participants had the opportunity to hear speeches, case studies and panel discussions from senior level executives working to reduce CO2 emissions in the automotive and transport sector. Whether it is through intermodal transport, navigation systems or education and driver behaviour, the solutions are interesting, effective and vast.

This conference also provided the attendants with an update of the eCall situation and follow up the appreciated eCall session at the Telematics Valley Conference in 2007, who found a concise exhibition where up to 15 companies took an active part in the event and showed you the systems and solutions they had to make a change and help the environment. Click [here](#) for the conference webiste.

## Cooperative Systems Workshop and Product Launch Event

**Creation date:** 16 December 2008

The CVIS project Consortium organized on 10 & 11 December, in Berlin, a two-day event that included a series of presentations on the current milestones achieved and a live demonstration of Europe's first universal platform for vehicle-to-infrastructure communication and services.

The CVIS project has designed, developed, and now tested the technologies that enable drivers to interact directly with local traffic management systems, and receive recommendations on the best route to their destination. This project, co-funded by the European Union and coordinated by ERTICO-ITS Europe, has created a mobile router with multiple communication interfaces, innovative positioning techniques and supporting services for the development of application software.

At the workshop industry experts and Public Authorities presented a clear and detailed overview of the core technologies and applications that the cooperative systems platform has developed and the state of the art of the policy framework and the roadmap implementation for cooperative systems in the Netherlands. This country is the first in Europe to develop a policy towards the use of cooperative systems to address challenges such as congestion, environmental sustainability and road safety.

Participants to the workshop and media representatives could participate directly in the static and mobile demonstration of CVIS technology and applications. The demonstration included:

- Short- and medium-range vehicle-infrastructure communication
- Advanced positioning techniques
- Examples of cooperative mobility applications.

In-car driver aids such as navigation systems have proved to be both reliable and increasingly popular. However, even the most effective vehicle-based system could benefit further if additional information were available thanks to cooperative systems. Vehicles and infrastructure sharing real-time traffic information would improve transport safety and efficiency and help reduce CO2 emissions. For more information please [click here](#).

## International Field Operational Test stakeholders meet in New York

**Creation date:** 19 December 2008

The first international workshop in the framework of the FOT- Net project was successfully held on 20 November this year, after the ITS World Congress in New York. The workshop attracted more than 50 participants from Europe, US and Japan. FOT-Net is a support action under contract of the European Commission to network Field Operational Test activities at European, national and international levels. Various activities are currently organised in the framework of this project. One action is to network FOT activities at International level. The workshop aimed to bring international FOT stakeholders together to discuss common working items and possible cooperation.

The workshop highlighted the need of the different regions (Japan, US and Europe ) to cooperate on various common issues, such as data handling and sharing, methods and deployment issues. Firstly, discussions were held on methodology items, such as the formulation of shared research questions and the definition of structural data formats for exchange of data. Due to the high cost of FOTs, especially in the current economic context, the participants also highlighted the importance to consider the use and exchange of substitute measures. Secondly, the exchange of data as a scientific endeavour for FOT organisers was largely approved, even if practical implementation of this data exchange raises many issues. To facilitate data exchange, it was suggested to develop a common Minimum Set of Data and standard tools to analyse this data. Thirdly, the audience discussed the use of FOT results to trigger deployment of the technologies tested, and suggested to exchange specific and successful examples and business cases of FOTs.

The workshops participants concluded that there is a need for more in-depth discussions between researchers who have the practical experience of implementing FOTs to share experiences and solve common problems. The organisation of some more concrete workshops at international level could be a way to cooperate on more specific well defined items. European stakeholders have initiated this process with the in the FOT-Net seminars. These seminars could be scaled at international level.

Last but not least, officials took the opportunity to announce the endorsement of an International Collaboration Agreement between US DoT RITA and the European Commission DG INFSO. The agreement will unlock funding opportunities supporting, among other topics, international FOT cooperation.

Concretely, European activities will be funded by DG INFSO and US activities funded by US DoT under a joint project. Also, other possibilities do exist such as additional funding for existing activities. The full report of the workshop will be soon available!

## **FOT-Net extra seminar on evaluating combinations of functions or systems**

**Creation date:** 19 December 2008

The FOT-Net seminars held in October revealed the clear need to organise a seminar on how to deal with combinations of functions and/or systems in FOTs. These combinations may consist of several ADAS functions and systems, functions made available by means of nomadic and aftermarket devices and/or combinations of these. When cooperative systems are addressed, things may become even more complicated. The FESTA methodology is focussed on testing one function or system at a time. However, as more functions and systems become available in cars and drivers use nomadic and aftermarket devices as well, having a FOT with only one function and/or system may become more and more impractical. As this topic is a complicated one, and as it will be hard to find a single expert who knows all the answers, we propose an interactive seminar to address the problems together.

**When:** 6 February 2009 - from 10.00-16.30

**Where:** Amsterdam, Schiphol Airport

**Who:** This is a seminar for researchers who are involved in setting up and evaluating a FOT, incl. the study design, and who have some experience with performing studies in real life. We aim at a workshop of around 20 participants.

Download Preliminary Agenda: [pdf](#) (38 KB)

[Click here to register](#)

### **About FOT-Net seminars**

FOT-Net is a support action funded by the European Commission to network Field Operational Test activities at European, national and international level. A series of 7 seminars will be held in 2008-2009.

The seminars will explain and discuss the common European Field Operational Test methodology which has been developed in the framework of the FESTA project. The seminars will be tailored to specialists and experts who (plan to) work on the activities of a (future) FOT. These meetings are set up in an interactive way and aim at the exchange of experiences.