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1. Opening and acknowledgements

The third meeting of the eSafety Intelligent Infrastructure Working Group (IIWG) was held at eSafety Support Premises, in Brussels (11 March 2009) under the chairmanship of Rui Camolino (ASECAP) and Paul van der Kroon (CEDR).

Attendance list: see attachment

At the outset, the co-chair Paul van der Kroon also on behalf of Rui Camolino, welcomed all those present at the meeting and noticed that many representatives were missing although invited. On the other hand, the Chair highlighted that the membership had been further extended and, since not everyone was mutually acquainted, asked those present to introduce themselves.

The objectives of this third meeting were clearly specified as follows:

- I. Final approval of Terms of Reference
- II. Final approval of the Definition of Intelligent Infrastructure
- III. Discussion on Scope of Intelligent Infrastructure to be addressed for Cooperative Systems within the WG Proposal presented by leader subgroup 2: Rui Camolino.
- IV. Discussion on Definition of Services to be provided within Cooperative Systems addressed within the WG Proposal Presented by leader subgroup 3: Frans op de Beek.

2. Approval of the Agenda as attached doc

The Chairs briefly reviewed the agenda that was approved as previously distributed.

- 10H00 Approval of the Agenda
- 10H05 Approval of Minutes of last meeting
- 10H15 Final approval of Terms of Reference
- 10H20 Final approval of the Definition of Intelligent Infrastructure
- 10H25 Discussion on Scope of Intelligent Infrastructure to be addressed for Cooperative Systems within the WG Proposal presented by leader subgroup 2: Rui Camolino
- 11H30 Discussion on Definition of Services to be provided within Cooperative Systems addressed within the WG Proposal Presented by leader subgroup 3: Frans op de Beek
- 12H15 Information Topics:
 - EasyWay Workshop: presentation by Risto Kulmala on scope of workshop
 - Cooperation with International Cooperation WG
- 12H45 AOB
- 12H55 Next meetings: 17Jun09, 7Oct09 and 16Dec09
- 13H00 Meeting closing

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3. Approval of the draft Minutes (including actions)

The members confirmed the receipt of the minutes of the previous meeting held on 11 December 2008 under the Chairmanship of CEDR and ASECAP representatives. An amendment was made at page 5 where Frans op de Beek (TNO) should be indicated as leader of Sub Group 3. The minutes were then approved as amended.

4. Final approval of Terms of Reference

Paul van der Kroon opened the session with an overview of the Terms of Reference (ToR) and a focus on the objectives.

He presented in detail the last version of the ToR resulting in an e-mail consultation among the members and he reported that so far only slight changes were made. Therefore, the final version will be approved at the next meeting.

5. Final approval of the Definition of Intelligent Infrastructure

A lively discussion took place and various comments and recommendations were presented by the participants.

Wolfgang Reinhardt (ACEA) boosted the debate highlighting that it is complicate to understand what is really meant in this document, namely what makes now a physical common road infrastructure more intelligent, considering that traffic rules as well as legislation should be taken into consideration in order to make the context more complete.

The discussion should no longer be focussed on a static infrastructure, but an interactive one, with active management; in fact, intelligent means thinking and reacting, consequently responsive.

This group should focus on the available elements to move from a physical infrastructure to a responsive infrastructure: first we could focus on the infrastructure but later on the other elements complementing it.

He also wondered if we are talking about deployment of equipment/services.

Frans op de Beek (TNO) replied that it is a pity that Mr Reinhardt expressed so late his opinions and he reminded that the document is the basis for further discussion. He added that it is a matter of fact that also the users are mentioned as well as ICT and organisation.

The Chair Paul van der Kroon pointed out the importance of: safety, environment, comfort and guidance.

Gino Franco (MIZAR) highlighted that interactive and traffic are the missing words.

With regards to the question about deployment and/or development Jacques Boussuge (ASFA) confirmed that the work of our Working group includes improving the capability of the current interaction's capability. According to him, both deployment and adding new elements shall be considered. This was reiterated by the co-chairs.

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Paul van der Kroon defined again the task of the group that is to try to make the infrastructure more intelligent, except vehicle to vehicle.

Frans op de Beek asked what's the link between v2v and to infrastructure.

Rui Camolino answered mentioning the flow of information from one vehicle to another vehicle having the infrastructure as an intermediate step, like when the geography of the road does not allow the direct communication between two vehicles.

Wolfgang Reinhardt considered it complementary, but he further wondered if communication from vehicle to vehicle should be considered as well.

According to Frans op de Beek it could depend on the application; in fact there are many services/application working.

Eva Boëthius (EC DG-INFISO) asked who needs this definition.

Paul van der Kroon reminded that the first target is the IIWG participants because they need to agree, to have a common knowledge.

Therefore, Wolfgang Reinhardt added that a mission statement is needed, referring to deployment and future elements.

Bengt Hallström asked to extend the definition at page 2.

Finally, Paul van der Kroon invited Wolfgang Reinhardt to draft it and address it to the leader of the Subgroup (Frans op de Beek).

6. Discussion on Scope of Intelligent Infrastructure to be addressed for Cooperative Systems within the WG Proposal presented by leader subgroup 2: Rui Camolino

Rui Camolino informed that there was not much discussion possible yet on the document currently prepared. This existing one was pointing not to a focus, but more to a discussion on different topics like:

- Definition of a intelligent infrastructure Reference Architecture (II-RA)
 - Vehicle to infrastructure communication (cooperation) model (V2I-CM)
 - Collaboration model among stakeholders (Infrastructure operators)
- Open technological framework
 - Communication technologies
 - Technical and business Protocols
 - Management and coordination strategies
- Operations and lifecycle management
 - Evolving strategies for both vehicles and infrastructures
 - Legal and regulatory issues (privacy, security, responsibility)

The leader of the subgroup was invited to continue the work and come up in the next meeting with a comprehensive discussion note with the aim to focus the work of the working group within the boundaries set by the definition of Intelligent Infrastructure

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7. Discussion on Definition of Services to be provided within Cooperative Systems addressed within the WG Proposal Presented by leader subgroup 3: Frans op de Beek

Frans op de Beek defined a preliminary list of services taken from the ITS Action Plan and the working group on e-Safety and he conducted an email survey between his Subgroup members. Some services were added by one person; therefore they were mentioned at the end of the list but not checked nor valued by the other members.

Jacques Boussuge commented the list stressing that it should be connected to the one of EasyWay, in order to be coherent.

Frans op de Beek explained that the EasyWay list is a kind of umbrella, while this document needs to go more in detail.

Eva Boëthius suggested adding another column in order to identify services that already exist and services to be implemented.

Melanie Kloth (Polis) stressed that multimodal travel info need additional definition in order to be better commonly understood; RTTI also needs basic data to be implemented.

Bengt Hallström asked how to proceed in order to come up with a final proposal. He suggested that one possibility could be to prioritise referring to e-Safety.

Francisco Ferreira (EC) wondered how far the group's work will be going in relation to each element, once the list would be established and if there would be a study.

Frans op de Beek replied that we have to set a boundary.

Stefan Deix (Arsenal Research) reminded that there is a substantial difference between RTTI and multimodal travel info.

Eva Boëthius suggested putting the list of services together with the definition of Intelligent Infrastructure, with the aim to fulfil those services and its initial possible evolution.

Michaela Mihaylova rose that if we don't have a definition of Intelligent Infrastructure we can't judge this list. Furthermore, the difference between Intelligent Infrastructure and Intelligent Transport System should be taken into consideration. The way to finalize this list is to refer to the European targets.

Paul van der Kroon reminded the necessity to take care of the e-Safety initiative.

Wolfgang Reinhardt suggested to consider as main elements: safety, environment, productivity, comfort plus another column to see what kind of projects already exist on each service. Most of these services have a prevalent aspect.

On the other hand, Risto called the participants to group them.

Eva asked what is the Intelligent Infrastructure related to the e-call.

Risto and Frans answered informing her about the back-office.

Hugo Roebroek (FEMA) asked if the list is more oriented for cars and asked for a possible involvement of trucks buses, motorcyclists, etc.

Paul van der Kroon insisted to establish a platform whereby the stakeholders can deploy a cooperative system. Gino Franco added that: different modes of transport should be considered and a target in terms of time should be set.

Paul van der Kroon mentioned the roadmap working group that is already existing and where Risto Kulmala is co-chair.

Jacques Boussuge declared that could be useful to add the coaches' management.

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Finally, the Chair Paul van der Kroon summed up the overall remarks: to clarify the definition; to cluster; to add another column related to II; Wolfgang's document; vehicle; identify projects going on each service; to identify the responsibility of stakeholders.

The subgroup leader, Frans op de Beek, is invite to digest the lively debate and toe elaborate on a comprehensive note in other to discuss more in detail, the directions to follow for the working group

8. Information Topics:

EasyWay Workshop: presentation by Risto Kulmala on scope of workshop Cooperation with International Cooperation WG

Risto Kulmala (VTT) presented the EasyWay perspective and announced that on 24-26 June in the Romanian embassy a workshop is being organised by EasyWay in cooperation with the IIWG. This proposal was considered positively.

9. AOB

The Chairs briefed the members on the stocktaking tasks for discussion.

Frans op de Beek also briefed about his experience of intercontinental cooperation with Japan and USA. He called the group to give input to the ICWG with topics, which are of interest of other WGs for discussion at this intercontinental level.

Bengt Hallström suggested considering also Brazil, in order to better know the process behind it (mainly legal aspects) and, for instance, how the immobiliser implementation is done for vehicles.

Wolfgang Reinhardt asked to investigate where others have implemented best practices and if we could benefit from. In fact, first we need to focus on the benefit.

The list will be sent to all.

At the end, a remark was done that for future meeting registration will be mandatory in order to make sure that adequate facilities (meeting room, coffee breaks and lunch) are prepared.

The meeting closed at 12:40.

The present draft minutes were made by Marica Scolari (ASECAP) and issued with the approval of the 2 Chairmen, then transmitted to all the IIWG members as per the list enclosed.