

EUROPEAN TRUCK PLATOONING CHALLENGE

NETWORK WORKSHOP

2ND MARCH 2018, 10:00-16:30

Venue: Benelux General Secretariat, Rue de la Régence 39, 1000 Bruxelles

MINUTES

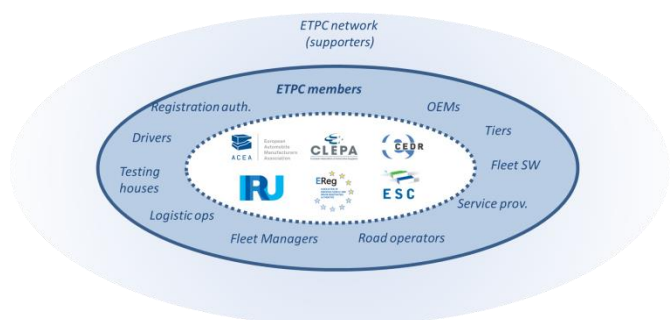
Welcoming



The Benelux's deputy general secretary **Luuk Blom** (NL) welcomes the participants, underlining the active role the Benelux is playing already in the European transport sector, and its willingness to support the deployment of pilot projects, using the already existing cross border agreements amongst the three countries of the Benelux to leverage the up taking of truck platooning in Europe.

A - Information on ETPC

Odile Arbeit de Chalendar (IFSTTAR) gives an overview on the background information about the European Truck Platooning Challenge, highlighting the core information & exchange platform, the mission of the ETPC association, the task forces, and network.



Maxime Flament (ERTICO - ITS Europe) continues with further information on the ETPC work plan for 2018 that includes:

- Management team and steering committee activities;
- The importance of linking the ETPC to Truck Platooning projects and activities throughout Europe and beyond (USA, Japan);
- Maintaining the Network of stakeholders (recurrent meetings during the year);
- Setup of a communication plan;
- Raise awareness towards policy makers;
- Develop task forces with priorities (two already active).

After the work plan, Maxime introduces the ETPC Terms of Reference and Membership package, inviting the entire audience to have a look at them and consider becoming an active member or supporter of the ETPC to be an active player in endorsing sound deployment of Truck Platooning in Europe.

Advantages	Affiliate	Member
Periodic newsletter of the ETPC activities	✓	✓
Participation to ETPC networking meeting free of charge	✓	✓
Free use of the “ETPC” logo	✓	✓
Consultation on Task Force papers	✓	✓
Observer to the General Assembly	✓	✓
Post content on ETPC website	✓	✓
Invitation to participate to TFs and input to the TF content	✓	✓
Access to ETPC meetings and presentation archives	✓	✓
Vote at the General Assembly		✓
Propose new Task Forces		✓
Comments to Task Force draft reports and proposals		✓
Eligible for Steering Committee member		✓
FEE per year	500 €	2000 €

Arjan van Vliet (RDW) presents the Task Force work on **cross-border testing exemption**, and the importance of having a robust system of references to avoid repetition and overlapping of testing and red tape.



Relying on the lessons learned from the European Track Platooning Challenge, the best way to achieve that would be through the adoption of “Building Blocks” that will become essential to support a formal exchange of information and results along with best practices by linking and integrating different national initiatives.

Further information and recommendation can be found on the TF paper “*ETPC - Task Force on Mutual Recognition of Testing Exemption*”, to be published on the ETPC website after the approval of the Steering Committee.

The second Task Force, reporting on market incentives, is introduced by **Godfried Smit** (European Shipping Council). This is an intermediate step of the TF, focussing on roles, advantages and concerns about truck platooning from the points of view of the different stakeholders involved such as drivers, road operators, OEMs, etc.

More information can be found on the TF paper “*ETPC - Task Force on Market Incentives*”, to be published on the ETPC website after the approval of the Steering Committee.

Conclusion

- ‘Mer à boire’ of advantages
- Some concerns
- Address especially relation between stakeholders involved

B-Current Truck Platooning Activities of members

After the first round of introduction on the ETPC association and current work, the Workshop proceeds with the current truck platooning activities from five EU Member States and the USA.

Sweden4Platooning



Main Objectives

- Demonstrate feasibility of CACC on public roads, with trucks from Scania and Volvo at the haulage company DB Schenker.
- Demonstrate platooning with longitudinally and laterally controlled trucks with vehicles from Volvo and Scania at test site.

Partners:      

Funding:  

creating
next generation mobility

Sweden for Platooning, Mats Rosenquist (VOLVO Group)

This is one of the first active projects on the multi-brand truck platooning with VOLVO and SCANIA involved. Mats Rosenquist gives an overview on the project and technical challenges, variants and solutions. Highlights are on communication protocols, harmonised regulation and general benefits.

Netherlands, Dirk-Jan de Bruijn (RWS) and Robbert Janssen (TNO)



Robert Janssen gives an overview on the Netherlands past, present and future projects for truck platooning, emphasising the real-life cases, research agenda for Truck Platooning 2017 and the TULIP corridor, and the real-life pilot on truck platooning going through TEN-T corridors, NL/DE/BE cross-border.

Dirk-Jan de Bruijn congratulates the ETPC for the network and the work done so far, and shares the happiness of seeing the community started under the Dutch EU presidency still full of energy and actively involved in projects and dissemination. Conclusions are on the importance of cross-border TP pilots, to enable a sound testing and deployment of truck platooning activities on the whole EU territory.

USA, Richard Bishop (Bishop Consulting)

Richard Bishop shows the latest information on Truck Platooning in the US.

Headlines range from different degrees of automation in trucks, OEMs involved, disruptive start-ups and early deployment and market adoption of the technology for 2-truck platooning.



Specific acknowledgments on the US situation are about the army involvement in truck platooning, the payback period for Truck Platooning investment, and the specific regulation that is currently being discussed.

Austria, Tamara Vlk (AustriaTech) and Walter Aigner (HiTec)

Austria's starting position in 2018, fields of special interest and questions to be tackled are the three main points discussed by Tamara Vlk, AustriaTech. This is a broad overview on Austria's action plan on automated driving and truck platooning parameters for legislation.



After this first round of introduction on Austrian vision and transport policy, Walter Aigner shares the latest updates on the Flagship on energy-efficient truck convoys 2018 to 2020 *"use case #5 national strategy on connected and cooperative automated driving"*, giving the context on Austria's strong ambitious on climate targets, infrastructure-based view of platooning, and expected benefit categories for connected cooperative automated driving.

Finland, Simo Rontti (University of Lapland)

Simo Rontti explains how the Artic Truck Platooning Challenge is more a preliminary investigation on arctic conditions rather than an actual deployment of truck platooning. The project focusses on the following:

- Challenge of snow and ice on trucks;
- Networking with Aurora members and discussions with Finnish Transport Agency;
- Snow accumulation forecast;
- Communal snow removal.

Last point is on a few related projects currently in the preparation phase.



Germany, Philipp Gilka (BMVI)



German Federal Government is committed to creating an optimum regulatory framework and the necessary preconditions for the introduction of automated and connected driving systems. Activities to date, such as the European Truck Platooning Challenge or current trials of the technologies in a real-world setting, can contribute to bringing platooning to the streets of Europe.

In Germany, innovative platooning systems have already been trialled in different traffic scenarios in real world driving, and there are a few projects (pilots and test beds) involving German OEMs going on, with interesting open issues to be tackled.

Plans for the near and distant future

C- EC Project on Multi-Brand Platooning

ENSEMBLE, Marika Hoedemaeker (TNO)

ENSEMBLE missions

- Inter-operable platooning
- Compatible to ensure correct and safe operation
- Generic solution Safe platooning
- Key aspect to ensure acceptance of platooning
- Fail-safe & fault-tolerant Real-life platooning
- Both on closed testing grounds and real life Embedded platooning

Marika explains more about the ENSEMBLE (ENabling Safe Multi-Brand Platooning for Europe) project, sharing with the audience the mission, partners, project methodology, benefits and impacts.

After project specifications, the emphasis shifts to standardisation, requirements, the involvement of road operators, and the

How will ENSEMBLE and ETPC work together? Odile Arbeit de Chalendar (IFSTTAR)

After an overview on the EC latest initiatives on automated driving and truck platooning from DG MOVE, DG RTD, DG CONNECT and DG GROW, Odile underlines the mutual benefit of this cooperation and how the ETPC is preparing the ground for the ENSEMBLE project to take place.



D- Building a Truck platooning Stakeholder Community

The last session of the Workshop aims at presenting other stakeholders that are not currently represented within the ETPC association, and that look forward to be part of the ETPC community. During this session the following have presented their interests and current activities in Truck Platooning:

- **Marcos Pillado, IDIADA** - has presented IDIADA's interest and projects in truck platooning, with activities mostly oriented toward testing procedures; testbeds; estimations of fuel consumption and traffic management; regulatory framework.
- **Kalmer Kaerblane, KAPSCH** - KAPSCH is a leading ITS provider that offer products, systems and services as a one-stop shop, with a strong interest in the European Electronic Tolling Services, Connected Cars Solutions (V2X) and Steps to platooning framework.
- **Robert Ermisch, HERE** - HERE is the leading automotive-grade enabler and supplier for all relevant market players, and is investing in Truck Platooning Management Service along the transport management process to enable platooning safety and reliability.
- **Ryad Joondan, Tunnel Mont Blanc** - Ryad describes the Mont Blanc Tunnel structure and challenges with regard to vehicular driving distance, speed limits and safety, and how truck platooning could help traffic flows whilst enhancing safety.
- **Joost Vos, Eindhoven University** - Joost is graduating from Eindhoven Technology University with a Master's thesis on "*Exploring the implications of truck platooning on truck drivers' job profiles*" that will explore the implication and effects of truck platooning on truck drivers' jobs, drawing conclusion and recommendation.
- **Richard Bishop, Bishop Consulting** - Richard takes the floor again to give details on the Peloton system, safety best practices, and market approach that has is currently opening toward cooperation with Europe.
- **Tom Antonissen, AKKA** - Tom illustrates AKKA's interest in the automotive field, connectivity and e-mobility, the collaborations with OEMs, future plans, and AKKA's contribution to develop a technical control system to support a drive of several trucks.

After this last round of stakeholder presentation, ETPC coordinator Maxime Flament wraps up the workshop, reminding the participants of the future meetings for the ETPC (Network, GA and MEP) and the ITS community (ITS World Congress, TRA Vienna, CARTRE Symposium), the upcoming publication of the ETPC Task Forces, ENSEMBLE project, and stressing out the great opportunity for new members to join the ETPC.

Presentations are available to the workshop participants, ETPC members and affiliates; for more information please contact: c.canonico@mail.ertico.com.