

**Economic Commission for Europe**

**Inland Transport Committee**

**Working Party on the Transport of Dangerous Goods**

**22 September 2023**

**Joint Meeting of the RID Committee of Experts and the  
Working Party on the Transport of Dangerous Goods**

Geneva, 19–27 September 2023

Item 7 of the provisional agenda

**Annex to the Reports of informal working groups**

**Annex document to the Report on the second meeting of the  
Informal Working Group on e-learning**

**Transmitted by the International Road Transport Union Organisation  
(IRU)**

**ANNEXES**

Slides enclosed in Annex I

Slides enclosed in Annex II.

Slides enclosed in Annex III.

Supporting materials in Annex IV

## Annex I





IRU\_IWG  
e-learning

TDG Applications



# Draft Agenda

- Welcome to the IwG by Video Conference and adoption of the draft Agenda.
- Antitrust Statement
- Approval of the report of the last meeting, 17 May 2022
- Tour de table to discuss about:
- a) Inventory of forms of e-learning in use for ADR Drivers/ADN Experts:
  - Systems already carried out in different ADR/ADN Contracting Parties.
  - Two speakers invited
    - Mr. Bart Vervaart, Manager Compliance & Development / TRANSAFE
    - Mr. Peter Hary, Specialist - Dangerous Goods & Security / ASTAG
- Provisional conclusions:
  - Crucial points for ADR/ADN training
  - Consensus about forms of e-learning fitting and not fitting for ADR/ADN training
  - Basic courses, Specialization Courses, Refresher Courses
- Draft definition of “ e-learning ” for 1.2.1 ADR/ADN systems
- Relevant parameters for the approval of e-learning (8.2.2.6 ADR/ADN) and necessary expertise for Competent authorities
- Next meeting date: proposals to be discussed at the meeting.

# Anti-trust Statement



*Participants in this meeting are fully aware of competition law and shall not enter into any discussion, activity or conduct that may infringe any applicable competition law. By way of example, participants shall not discuss, communicate or exchange any commercially sensitive information, including:*

- prices, discounts, margins, credit terms, warranties or terms and conditions,*
- data regarding costs, production, investments, capacity, inventories, sales, orders, revenues or profits*
- plans regarding the development, design, production, distribution or marketing or particular products*
- disparaging comments about competitors.*

*This meeting has no authority to discuss matters relating to actual or potential competitors, suppliers, distributors or customers that might have the effect of excluding them from any market.*

*Participants are cautioned that any discussion, activity or conduct on the abovementioned topics or concerning any other competitively sensitive topics, either on the floor or off is strictly prohibited.*

*In case of doubt, please discuss with the Secretary of the President to the meeting or with IRU's Compliance Committee.*



## Approval of the report of the last IwG meeting key messages from the Joint Meeting



### Approval of the report of the last IwG meeting held on 17/05/2022

#### Key messages from last Joint Meeting, held on 12-16/09/2022:

39. The Joint Meeting noted the report on the first meeting of the informal working group on e-learning, held remotely on 17 May 2022.

**Most delegates who took the floor confirmed the decisions made by WP.15 in 2005 that special formats of e-learning approved by the competent authorities were still in line with the regulations annexed to ADR/ADN.**

40 The Joint Meeting **invited the informal working group to develop the amendments necessary to ADR/ADN** for consideration at the March 2023 session. The representative of IRU offered to circulate by email an invitation with all details on the forthcoming meeting.

## Tour de table to discuss about:



Inventory of forms of e-learning in use for ADR Drivers/ADN Experts:

- Systems already carried out in different ADR/ADN Contracting Parties.
  - Specification at National level?
  - Parameters need to certify /validate the system?
  
- Two speakers invited, from ADN and TDG:
  - Mr. Bart Vervaart, Manager Compliance & Development / Dangerous Goods Safety Advisor (TRANSafe)
  
  - Mr. Peter Hari, Specialist - Dangerous Goods/Security (ASTAG)

# CONCLUSIONS

## WAY FORWARD



### Provisional conclusions:

- Crucial points for ADR/ADN training
- Consensus about forms of e-learning fitting and not fitting for ADR/ADN training
- Basic courses, Specialization Courses, Refresher Courses
- To report to the next Joint Meeting

### Way forward:

- Draft definition of "e-learning" for 1.2.1 ADR/ADN systems
- Relevant parameters for the approval of e-learning (8.2.2.6 ADR/ADN) and necessary expertise for Competent authorities
- Next meeting date: proposals to be discussed at the meeting.





	<p>Thank You</p>
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## Annex II



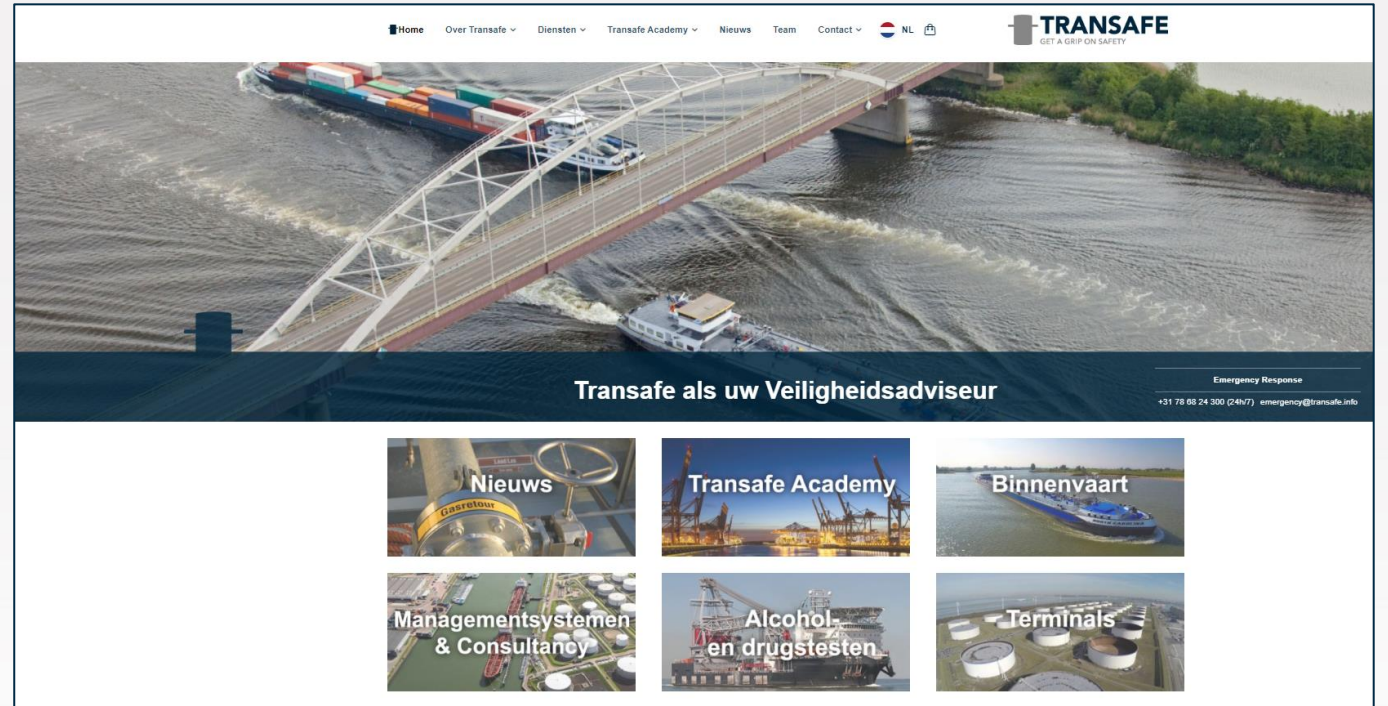
## Bart Vervaart

- Dangerous goods specialist
- Lecturer ADN/ADR/RID
- Head of Transafe Academy
- IWG training of experts ADN



# Transafe

- Dangerous goods service provider
- Safety, Quality and Compliance
- Transafe Academy



The screenshot shows the Transafe website homepage. At the top, there is a navigation menu with links for Home, Over Transafe, Diensten, Transafe Academy, Nieuws, Team, and Contact. A language selector shows 'NL' and a location icon. The Transafe logo with the tagline 'GET A GRIP ON SAFETY' is in the top right. The main header image is an aerial view of a large bridge over a river with a cargo ship and a ferry. Below the image, the text 'Transafe als uw Veiligheidsadviseur' is displayed. In the bottom right corner of the header, there is an 'Emergency Response' section with the phone number '+31 78 68 24 300 (24h/7)' and the email 'emergency@transafe.info'. Below the header, there are six service tiles: 'Nieuws' (News), 'Transafe Academy', 'Binnenvaart' (Inland Waterway), 'Managementsystemen & Consultancy', 'Alcohol en drugstesten' (Alcohol and drug testing), and 'Terminals'.



# Transafe Academy

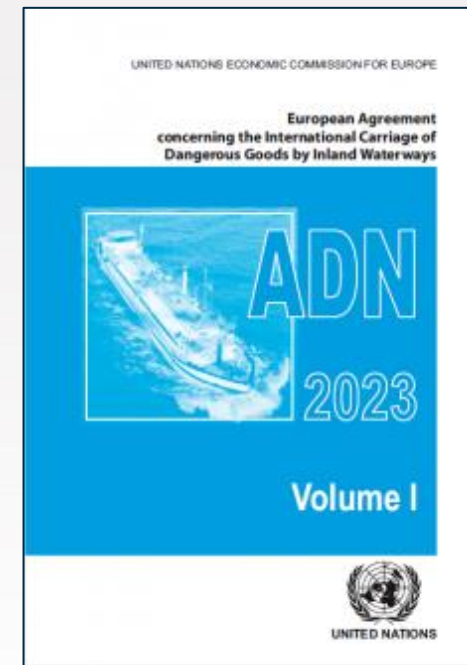
## Classroom training

ADN Basic course (5-days)

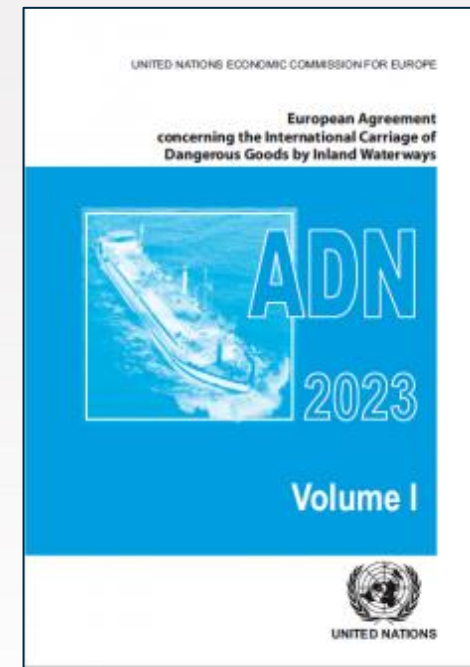
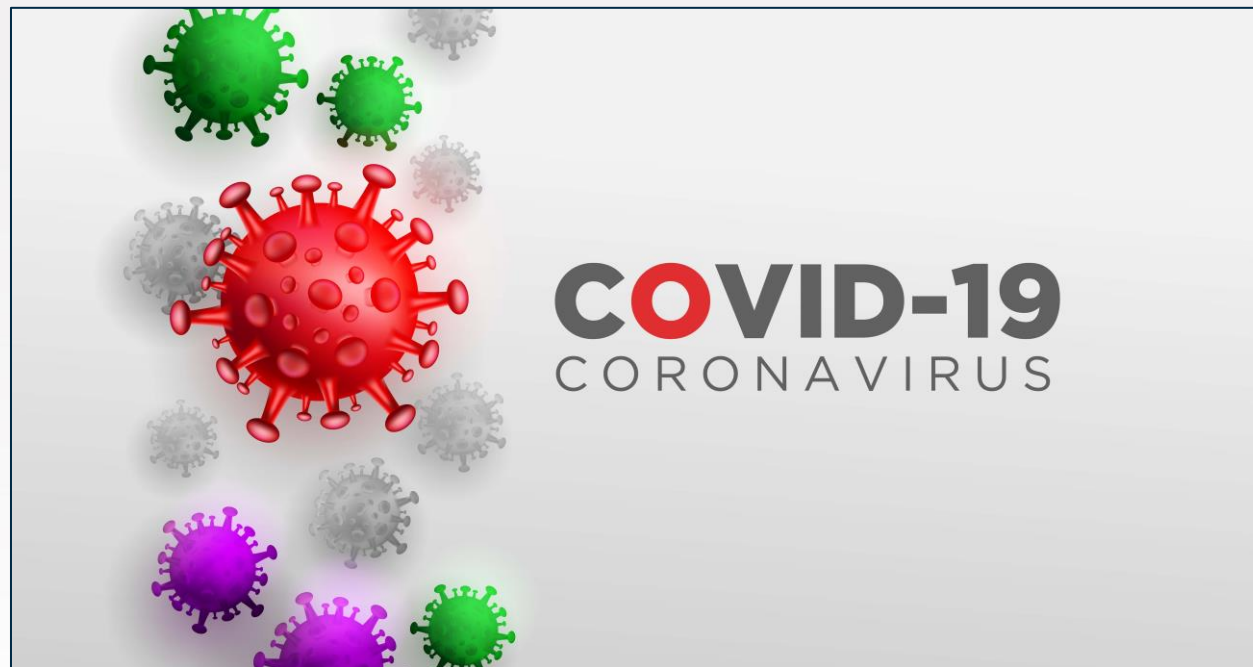
ADN Repetition course (3-days)

ADN Chemical course (2-days)

1.3 Training ADN/ADR/RID (1-day)



## Transafe Academy



Tran  demy

## Classroom training

ADN Basic course (5-days)

ADN Repetition course (3-days)

ADN Chemical course (2-days)

## E-learning

1.3 Training ADN/ADR/RID

Training content ADN course

## E-learning

### Learning Management System (LMS)

- Student information
- Progress
- Time spent
- Test/exam results
- Certificates

### Training content

- Videos / animations
- Text
- Interactive elements
- Practice questions
- Examination

## Transafe Academy

### Classroom training

ADN Basic course (5-days)

ADN Repetition course (3-days)

ADN Chemical course (2-days)

### Hybrid learning

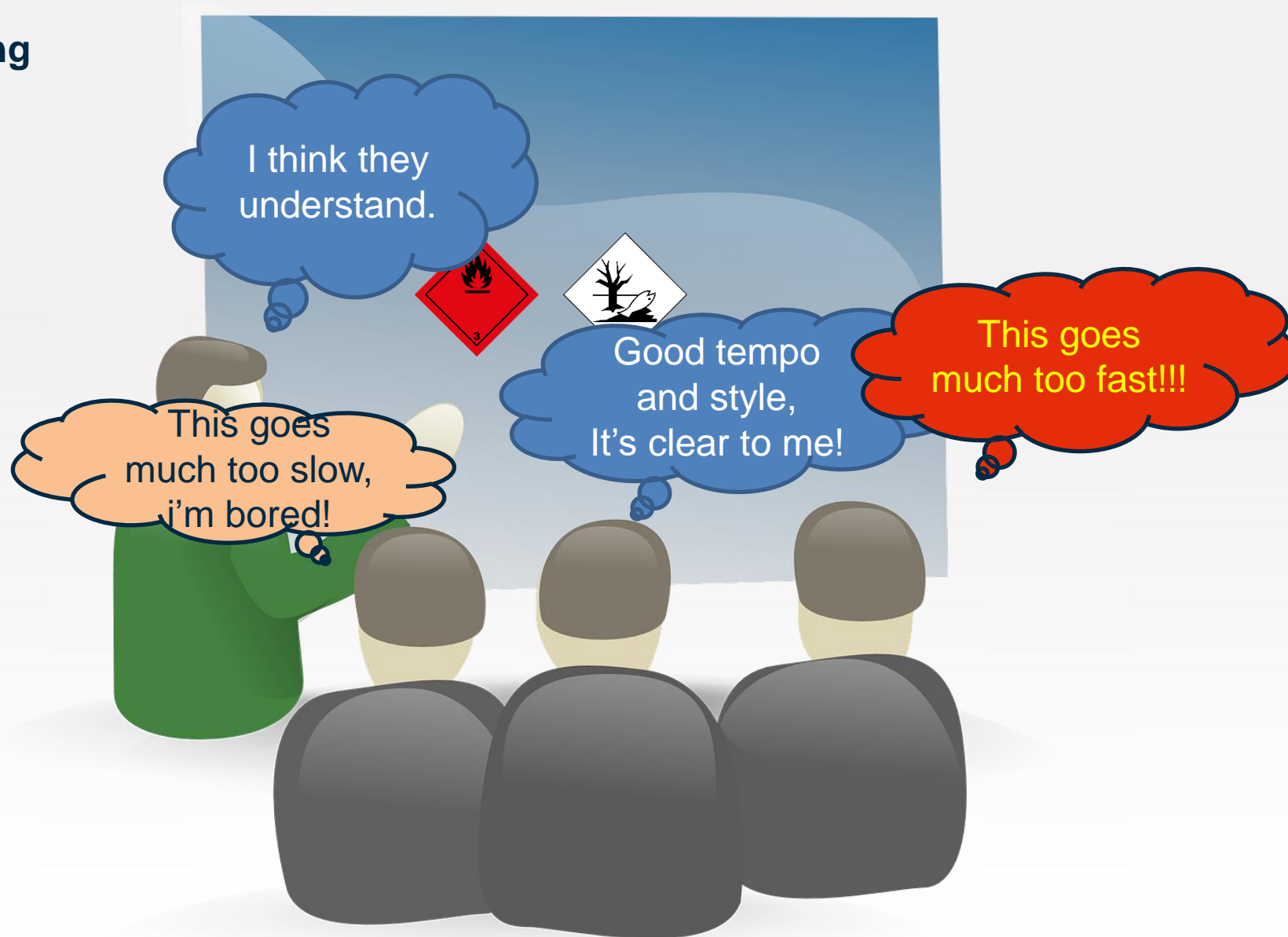
1.3 Training ADN/ADR/RID

### E-learning

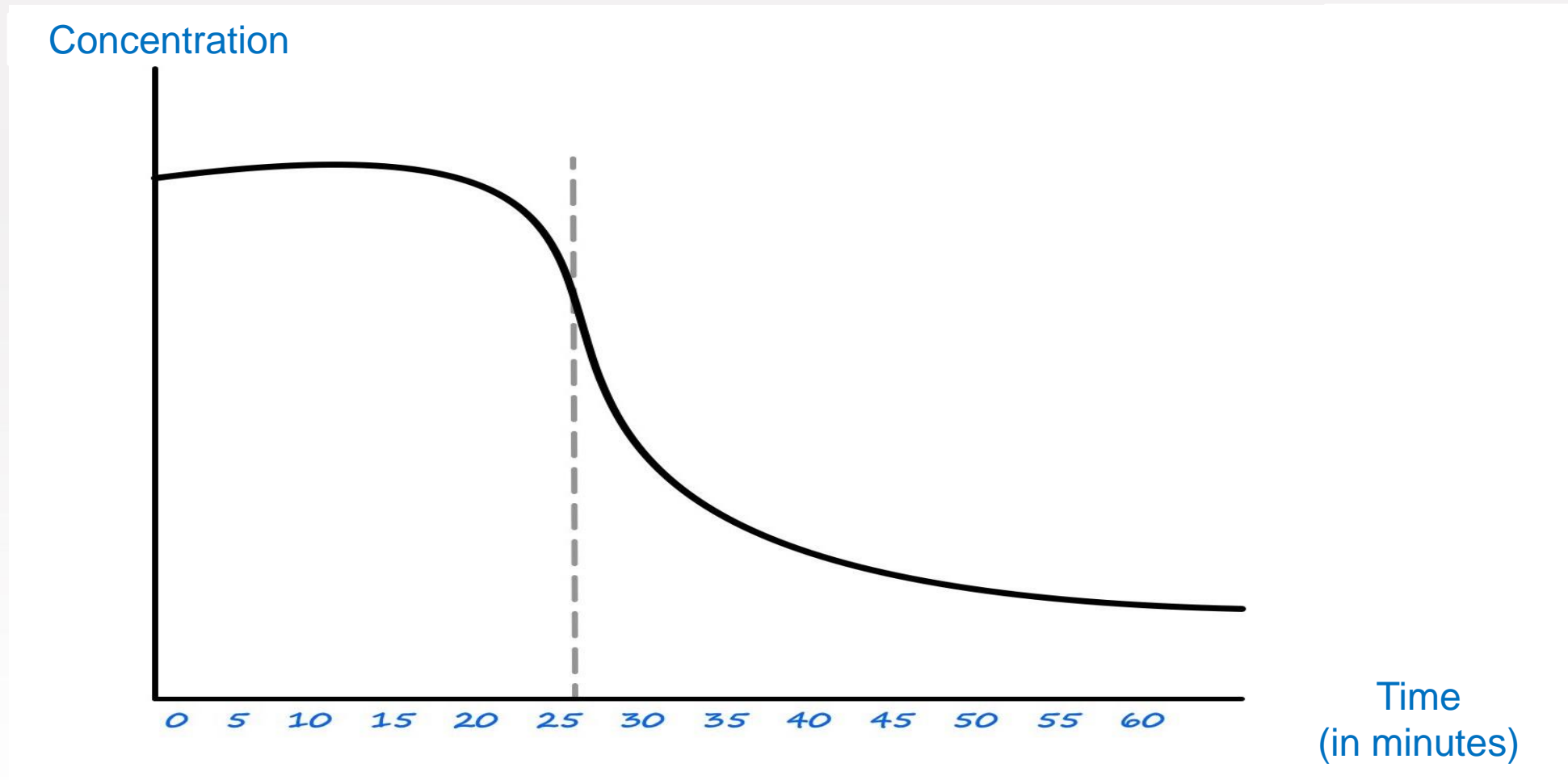
Training content ADN course



## Classroom training



## Classroom training



## E-learning

### Advantages:

- Learning at your own tempo
- Learning at your own time
- Learning at idle moments
- Short periods > High concentration
- Unlimited repetition
- Different learning styles

### Disadvantages:

- Self motivation required
- No direct sparring partner
- No direct feedback
- No hands-on practical training

## Hybrid learning

E-learning → Preparational information

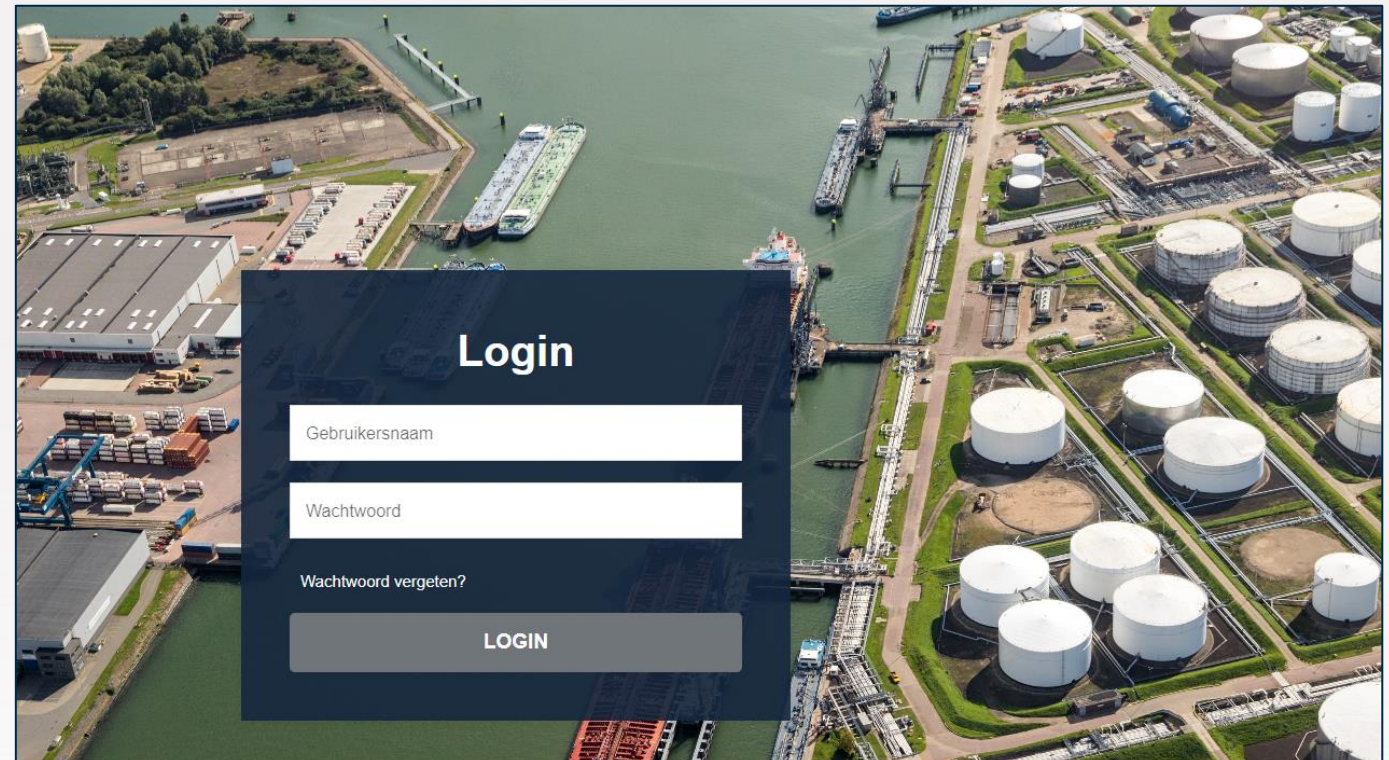
E-learning exam → Start requirement for classroom training

Classroom → Repetition of key elements / Knowledge check

Classroom → Practical training / Case studies

Authorities → Official examination

# Demonstration





## Annex III



Schweizerischer Nutzfahrzeugverband  
Association suisse des transports routiers  
Associazione svizzera dei trasportatori stradali



## Information about eLearning



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Engagiert. Sicher. Ans Ziel.    Engagé. Pour vous. Partout.    Con impegno. A Destinazione. Per voi.

# CZV eLearning process

(CZV = Chauffeur Licensing Ordinance)



## Course topic

The participant chooses a course topic according to his/her learning needs.



## Login

The course organiser sends the login with access to the course module 4 weeks before the course starts.



## Work through the E Learning Module

The participant has 3 weeks to complete the eLearning module.



## CZV Classroom instruction

The participant takes part in the classroom training for half a day.

# Financial benefit

**Cost advantage eLearning course with 16 participants (conventional CZV course)**

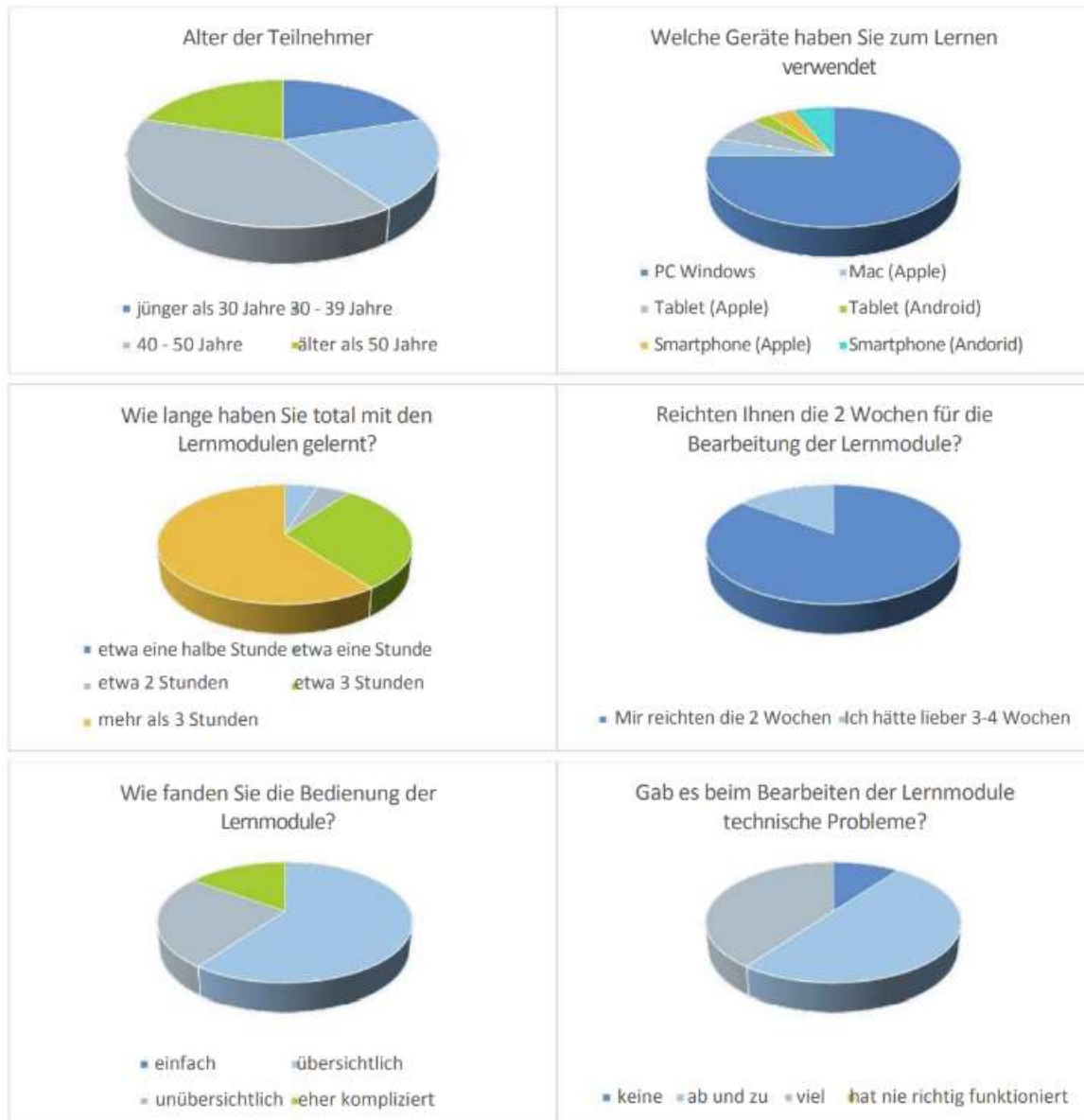
Duration of the training 7 hours

## **Savings with eLearning**

Time saving per course in hours 48:00 hours

Cost advantage per course in % is about 38%

# Some facts and figures



# Feedback (concept of the course)

- According to the participants' feedback, any scepticism about e-learning was dispelled during the processing of the modules. At the end of the practical half-day, they rated the course concept very positively, as they had no frontal teaching during the practical part.
- They found the different group work very entertaining and interesting. The course leaders were involved in the planning of the course. Their feedback was also positive throughout. From their point of view, no changes are necessary for the teaching sequences.



# Feedback (on how the course is working)

- In the eLearning course "ARV1" (Working and Rest Time Ordinance), the legally relevant contents have been conveyed in a clear and practical manner. The knowledge acquired is tested individually in the final test. Interactive exercises consolidate what has been read. These combinations were rated very positively by the participants.
- In the practical part, they were able to apply and implement what they had learned in the modules. The structure and the course of the half-day training were rated very positively. After successfully passing the entrance test, various tasks could be solved in group work, individual work or class discussions. The course instructor also rated the motivated participants as very positive..

# Feedback (on the achievement of the learning objectives)

- The participants achieved the learning objectives without any problems with the eLearning variant. They also had no problems passing the tests. With the final test in the eLearning area and the entry test in the practical part, the level of knowledge is checked several times.
- The participants' specific questions to the course instructor also confirm the eLearning model. Since the participants have already dealt with the topic before the practical part, they participate much more intensively on the course day.

# Benefits (for entrepreneurs and course participants)

## Benefit entrepreneur

- More qualified employees
- Less effort in organising of further training
- Lower costs
- Clearer Personnel management
- Shorter absence from the workplace

## Benefit course participants

- Learning independent of location
- Own learning speed
- Better course preparation
- Intensive discussion of topics
- More motivated course participants
- Shorter attendance time

# Conclusion

Entrepreneurs, course participants as well as the public benefit from the new learning method. Not only is safety in general increased, but the level of education in the sector is also developed enormously.

In the pilot phase, which is now almost two years old, the right insights were gained to implement the qualitative specifications for the corresponding e-learning courses. A good combination of electronic learning and on-site instruction with professional colleagues and on the object makes sense in any case.

ASTAG is convinced that the right decisions were made two years ago and that CZV eLearning can be taken for granted in the transport sector in the near future.

ASTAG



ginnung



## Annex IV

**From:** adr <adr@adr.edu.pl>  
**Sent:** Monday, 8 May 2023 11:13  
**To:** Celasco, Aldo  
**Subject:** Extract from regulations in Poland

<https://isap.sejm.gov.pl/isap.nsf/download.xsp/WDU20220000739/O/D20220739.pdf>

REGULATION OF THE MINISTER OF INFRASTRUCTURE1)  
of March 25, 2022 on the training and examination of drivers performing road transport

The regulation specifies:

4) detailed conditions, mode, scope and manner of conducting classes in the form of distance learning with the use of computer techniques and the Internet;

5) the thematic scope and the number of hours of classes that can be conducted in the form of distance learning with the use of computer techniques and the Internet;

Documents may be kept in the corresponding electronic form in the ICT system of the training center or unit of the education system that allows immediate reading or printing of all or part of the recorded data. The head of the training center conducting the training and the director of the education system unit confirm their entries with a qualified electronic signature, trusted signature or personal signature, and the person conducting the classes and the person being trained with a qualified electronic signature, trusted signature or personal signature, or a unique identifier and password assigned in this system.

The training center conducting the training or the unit of the education system, documenting the training, in the event of a failure of the ICT system of the training center or unit of the education system or lack of access to the Internet, may before the start of the classes issue a book of conducted classes to the person being trained, used during the training. The book of conducted classes is completed in accordance with the template specified in the regulation. The data in the ICT system of the training center or unit of the education system shall be supplemented at the latest before the start of the next classes.

In the case of classes conducted in the form of distance learning with the use of computer techniques and the Internet, the confirmation of participation in classes in the book of classes conducted during the training is made by the lecturer once after the end of all classes conducted in this form.

Periodic training is conducted using the owned infrastructure reported to the voivode who entered the entrepreneur running the training center into the register of entrepreneurs running the training center.

Periodic training in the form of a periodic course is conducted in accordance with the scope of topics and the number of hours of periodic training.

§ 17. 1. Theoretical classes referred to in § 9-14 are conducted using the following method:

1. lectures, seminars, shows and other forms of classes used in adult education - in the center training or
2. exercises under the supervision of a trainer-lecturer, using a computer and specialized software supporting the education process - in the room of the training center, or
3. lectures conducted in the form of distance learning with the use of computer techniques and the Internet under the supervision of the training center.

2. The software referred to in par. 1 point 2, should provide at least:

1. assigning the trainee an individual identifier in the form of a PESEL number or date of birth and an individual number consisting of five digits - in the case of a person who does not have a PESEL number, allowing for direct tracking of his/her learning progress;
2. 2) logging in using the identifier referred to in point 1 and an individual password assigned to the trainee with the need to change it after the first logging into the system;
3. 3) conducting classes to the extent required by the training program;
4. 4) protection against interference in the order of classes;
5. 5) carrying out a knowledge test after each periodic training module and after each subject of the qualification course and securing against interference with its result;
6. 6) the ability to continue the training only after obtaining a positive result from the knowledge test referred to in point 5.

3. Training conducted in the form of distance learning with the use of computer techniques and the Internet requires the following conditions to be met:

- 1) assigning the trainee an individual identifier in the form of a PESEL number or a professional driver's profile number and date of birth and an individual number consisting of five digits - in the case of a person who does not have a PESEL number, allowing direct tracking of his/her learning progress;
- 2) logging in using the identifier referred to in point 1 and an individual password assigned to the trainee with the need to change it after the first logging into the system;
- 3) each login requires confirmation with a code sent to the trainee's phone;
- 4) generating data on the date and time of the start and end of the recurrent training module and the title of the recurrent training module;
- 5) generating data on the start and end date and time of each qualifying course class;
- 6) conducting classes to the extent required by the training program;

- 7) preventing interference in the duration of classes by rewinding the material in order to finish it faster;
  - 8) protection against interference in the order of classes;
  - 9) carrying out a knowledge test after each periodic training module and after each topic of initial qualification and accelerated initial qualification, and securing against interference with its result;
  - 10) the possibility of continuing the training only after obtaining a positive result from the knowledge test referred to in point 9.
4. The conditions referred to in par. 3, are also the requirements for additional teaching aids necessary to conduct classes in the form of distance learning with the use of computer techniques and the Internet. The conditions for maintaining them is to enable the trainee to participate in training conducted in the form of distance learning with the use of computer techniques and the Internet to the extent that has been planned for use by the trainee in this form of training.

Attention

PESEL - is a citizen's identification number.

Best regards

Marek Rozycki