

Graduated development training for driving licence acquisition (category B)

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EFA





Who is EFA

23 National Driving School Associations

11 Affiliate Members

7 Road Safety Partners





- Harmonization of Education and Examination of Future Drivers
- Harmonization of Education and Examination of Driving Instructors
- Minimum Standards for Driving Schools
- Represent the values of Driving Schools to the EU Institutions,

Universities and Global NGO



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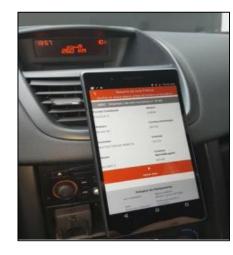


EFA Drivers Training Lab





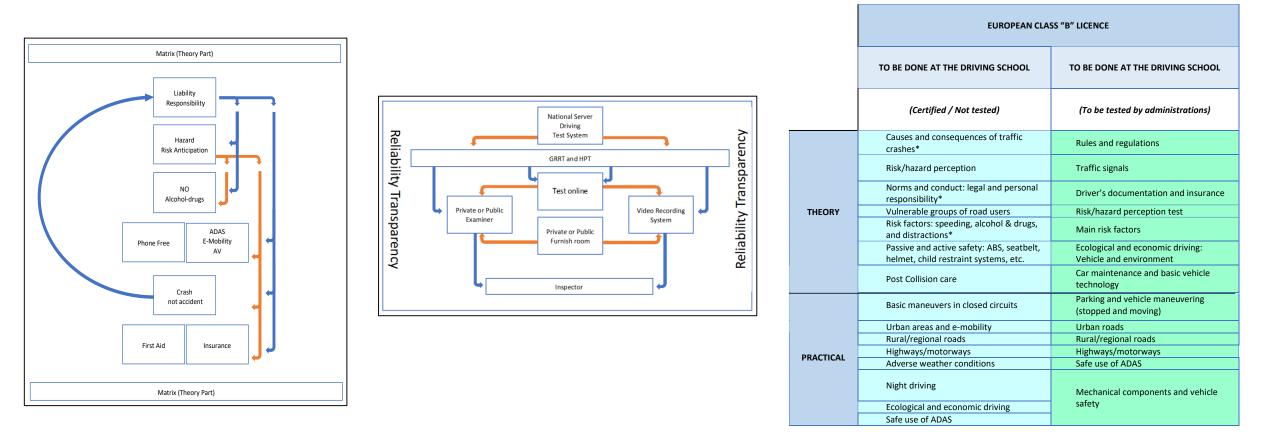








EFA Drivers Training Lab





Directive 2006/126/EC no concerning the training of learner drivers

NOVICE DRIVERS	ALBANIA	AUSTRIA	BELGIUM	CROATIA	CZECH REPUBLIC	DENMARK	ESTONIA	FINLAND	FRANCE	89	GERMANY	GREECE	HUNGARY	ICELAND	ΙΤΑΓΥ	MOLDOVA	NETHERLANDS	NORWAY	PORTUGAL	SLOVAKIA	SPAIN
Do you have to pass a medical check to obtain B driving license?	. Yes	Yes	Yes	Yes	. Yes	Yes	Yes	No	. No	. No	Yes	No	Yes	No	. Yes	Yes	Yes	Yes	Yes	. Yes	Yes
Is it possible start training for a cat B license before the age of 18 years?	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Road Signs, Norms of Behavior, Documents and Car Maintenance: are these topics included in theory program for cat B license?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Are there compulsory driving theory lessons in your Country?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	No
Is a Hazard Perception Test required?	No	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No	No	No	No	No	Yes	No	No	No	No
Must theory test be passed before training begins?	Yes	No	No	Yes	No	No	No	No	No	No	No	No	Yes	No	Yes	Yes	No	No	No	No	No
Is the testing organization a governmental institution (G) or a private enterprise (P)?	G	G	Р	P	G	G	G	G	Р	G	P	G	G	Р	G	G	G	P	Р	G	G
Is B theory test computerized?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
How many questions are there in a B theory test? (*)	40	80	50	- 38	25	100	- 30	70	40	- 50	- 30	20	55	- 30	- 40	20	40	45	30	- 27	- 30

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Directive 2006/126/EC no concerning the training of **Driving Instructors**

DRIVING TEACHERS/INSTRUCTORS	ALBANIA	AUSTRIA		CZECH REPUBLIC	DENMARK	ESTONIA	FINLAND	FRANCE	89	GERMANY	GREECE	HUNGARY	ICELAND	IRELAND	ITALY	MOLDOVA	NETHERLANDS	NORWAY	PORTUGAL	SLOVAKIA	SPAIN
Minimum age to become driving instructors	30	20	21	24	21	21	21	20	21	21	24	23	21	19,5	24	23	18	21	21	25	20
Is a secondary school diploma requested to become instructor?	Yes	No	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
How many years of experience ?	0	3	3	3	3	0	3	2	3	0	0	0	3	2	0	5	0	3	3	3	2
Is the Instructors training voluntary (V) or compulsory (C)?	С	С	v	с	с	с	v	с	V	С	С	С	С	v	с	С	V	с	С	С	С
Do you have to pass any exam?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Is it allowed to use a simulator for driving instructors initial training?	No	No	No	Yes	No	No	Yes	Yes (*)	Yes	Yes	No	No	No	Yes	No	Yes	Yes	No	No	No	No
As a driving instructor/ teacher, do you have to attend at periodical training course?	No	No	Yes	No	Yes	Yes	No	No	No	Yes	No	Yes	No	No	Yes	No	No	No	Yes	Yes	No
Do you have to pass any exam to confirm the maintenaince of your skills?	No	No	No	No	No	Yes	No	No	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No	No	Yes	No
if the answer to the question 9 is "No", do you think an updating course is necessary?	Yes	Yes	Yes	Yes	Yes	_/	Yes	Yes	1	Yes	Yes	1	Yes	1	Yes	1	_/	Yes	Yes	1	Yes
Number of driving schools in your Country	400	365	500	1800	1200	250	500	13000	40000	35000	1	700	15	1700	7000	200	8000	1000	1200	650	8300
Number of Self-employed driver instructors in your Country	2000	2.100	3.000	1800	2100	700	1500	_/	40000	40000	1	2500	200	1700	30000	800	15000	2.300	8.000	2400	37000

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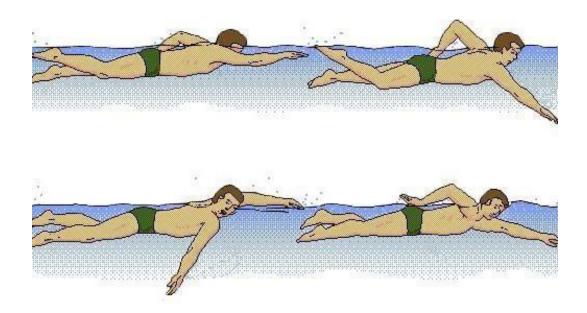


With the aim of reducing the cognitive workload, it was decided to use a progressive approach teaching method with the following characteristics:

- Create and consolidate the **basic motor schemes**;
- Create and consolidate the **coordination skills** necessary for training;
- **Optimize** the ministerial **time available** to the candidate for training;
- Check the actual learning times of the exercises proposed Create a team of specialized instructors able to carry out specific lessons;
- Help the driving instructors to create the necessary skills for the students to be autonomous in the shortest possible time, without generating further workload.

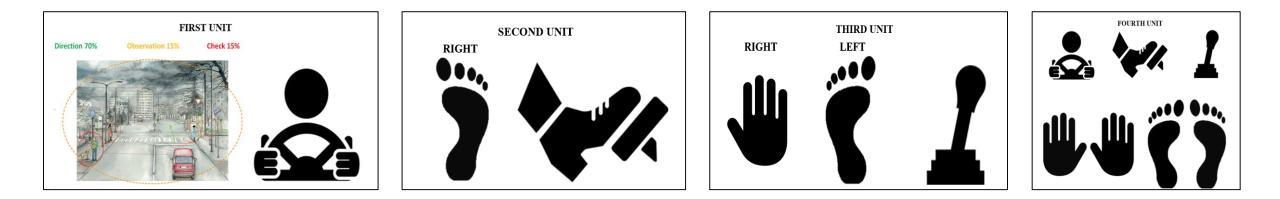


It is the same concept used to learn sports: **learn one movement a time**. Just think of motor coordination in swimming: arms, legs and breathing. Driving is a **complex activity**: the driver will be a decision maker at a unnatural speed and the 4 limbs have to make different movements ...





The method used during the first few driving lessons consists of **four separate training units**. The application of the **individual training units** simplifies the workload for each student, since the student will face separately each single fundamental movement, i.e. observation and steering wheel control, right foot use for accelerator and brake pedals, right hand use for the gearbox.





From 2015 to 2017, voluntary training courses were held for **about 300 driving instructors** between 30 and 55 years of age, lasting 40 hours. In June 2019 the course participants were asked to answer a **short questionnaire** on the effectiveness of the progressive access training methodology during the first driving lessons.

The aim of the questionnaire was to understand the real effectiveness of the system in carrying out daily training activities, or if the application of the progressive access instruction methodology had:

- **Reduced the cognitive workload of the students** through the separation of the commands given by the Instructor;

- **Reduced the time needed to assimilate the driving skills** of the students, thus being able to dedicate more resources to focusing on the problems on traveling;

- Decreased the level of workload by the Instructor in the management of the first driving lessons.



Q1: Did the gradual explanation of the controls **reduce the workload of the students** during the first driving lessons?

Not at all	0.4
Little	0.7
Enough	9.6
High	89.3





Q2: Did the gradual explanation of the controls **speed up the learning of automatisms** by the students during the first driving lessons?

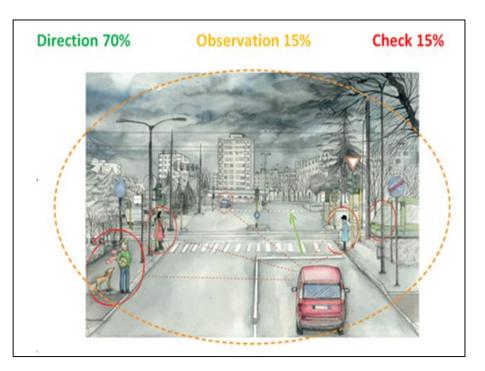
Not at all	0.4
Little	0.4
Enough	13.2
High	86





Q3: Did the gradual distribution of the controls **contribued to raising awareness** among students of road traffic issues since the first driving lessons?

Not at all	0.7
Little	3.3
Enough	16.2
High	79.8





Q4: Do you apply **the progressive access instruction methodology** during the first driving lessons of your students since you learned it?

Not at all	0.7
Little	0.7
Enough	5.5
High	93





Q5: Has the use of the techniques provided by the progressive method reduced its **workload as Driving Instructor** during the first driving lessons?

Not at all	0.4
Little	1.8
Enough	11.8
High	86





Q6: The use of the progressive methodology during the first driving lessons has changed the quality of your work?

Not at all	1.1
Little	0.4
Enough	11.4
High	87.1

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The **professional driving training** activity has undergone **deep changes** in recent years. The significant **increase of traffic** in European metropolises, associated with **a lower motivation** of the population residing in large urban areas to obtain a driving licence, has led to **greater difficulty** in providing driving training.

The introduction of a **system that can reduce the cognitive workload** for students, **guaranteeing them less time and less effort** to generate the motor coordination automatisms necessary to be able to drive safely, was highlighted by the results obtained from the proposed questionnaire.



Initial and periodic training for driver trainers is fragmented in Europe. In many cases it is un-regulated and often it is not mandatory.

The situation of periodic training is very serious: across 22 countries, **only in 9** of them a **periodic training course** aimed to maintain skills is taken into consideration.

The mandatory introduction of a progressive access training methodology through an EU Directive would be well received in the field of driving training. The results of the questionnaire show a very **high approval rating** for those who have voluntarily submitted to the course for improving their skills.



Watch our videos at <u>www.efa-eu.com</u>





Thank you for your attention!!

Dr. Manuel Picardi EFA – General Secretary

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