

ADR Driver Training

Training: Transport of Dangerous Goods
by Road



FACILITATING ROAD TRANSPORT
FOR MORE GROWTH AND PROSPERITY
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partners

The IDB-AULT-IRU project aims to improve efficiency of road transport services in the pan-Arab region, by facilitating trade, enhancing road safety and increasing professionalism in road transport operations.

Islamic Development Bank:



Arab Union of Land Transport:



International Road Transport Union:



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Training: Transport of Dangerous Goods by Road

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1 Introduction














Road transport is the backbone of economies and societies, on both local and global levels. Upholding the road transport industry's priorities - sustainable development, facilitation, safety and security of road transport - is a responsibility shared by all stakeholders, from road transport operators to policy-makers.

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) is a legal instrument that regulates the international transport of dangerous goods by road.

With today's increasing awareness of safety, security and environmental challenges, road transport operators and drivers must comply with existing and anticipated regulations, and be familiar with the latest technologies and standards that address these key issues.

Dangerous goods are articles and substances, which are classified as either prohibited or allowed for transport only under certain circumstances according to specific regulations.

The term 'dangerous goods' is not a term used only for those substances posing danger (chemical agents, gas, acid, etc). It covers articles with specific characteristics inherent to the nature of the goods, which, when transported, will fall under one specific categories:

ADR Agreement classification			
	Class 1 : Explosive substances and articles		Class 5.1 : Oxidizing substances
	Class 2 : Gases		Class 5.2 : Organic peroxides
	Class 3 : Flammable liquids		Class 6.1 : Toxic substances
	Class 4.1 : Flammable solids, self-reactive substances and solid desensitized explosives		Class 6.2 : Infectious substances
	Class 4.2 : Substances liable to spontaneous combustion		Class 7 : Radioactive material
	Class 4.3 : Substances which, in contact with water, emit flammable gases		Class 8 : Corrosive substances
			Class 9 : Miscellaneous dangerous substances and articles

Humans, the environment and economies run the risk of being harmed due to the various types of dangerous characteristics if exposed to them. It is therefore essential that people involved in manipulating dangerous goods apply the most stringent standards in order to avoid any possible incident or accident. For this purpose, legislative bodies and competent authorities strive to protect people and the environment through the implementation of relevant laws and regulations.

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) is a legal instrument that regulates the international transport of dangerous goods by road. This Agreement of the United Nations and its practices is widespread around the world and currently implemented in 48 countries. Unfortunately, this Agreement is currently only ratified by two countries of the League of Arab States, Morocco and Tunisia.

However, an Agreement alone will not yield results if not properly implemented; the human factor must always be taken into consideration and addressed when considering road safety.

Professionals need to be able to effectively put in place measures aimed at achieving greater competence and thus safety in the transport of dangerous goods by road. To help public-private partners meet these challenges, the IRU Academy has developed its ADR Programme to provide high level, harmonised training to all those involved in the transport of dangerous goods by road.



2 Objective and scope

Over an 11 month period, the consultancy work was dedicated to transferring high standard ADR driver training capacity at international standards to a selection of training institutes able to comply with the IRU Academy's stringent accreditation standards.



The work mainly consisted of:

- a. The delivery of Train the Trainer Programmes for the selected training institutes in certain countries of the League of Arab States;
- b. Coaching and support in the training institutes' preparation phase;
- c. Running of ADR Pilot Programmes for the selected training institutes in Jordan, Kuwait, Qatar and Saudi Arabia; Participation and cooperation in the delivery of the ADR National Workshop – Doha, Qatar;
- d. Managing the translation and regionalisation of the IRU Academy Training Programme for the Arab world.

3 Methodology

The implementation of high standard professional training capacity requires that credible partners, who have the vision and capacity to implement such programmes, make themselves available to dedicate their resources in such endeavours. They must notably provide evidence that they have the facilities, staff and resources required to support such a process, in order to make it sustainable and ultimately implement and deliver high quality professional training at internationally recognised standards. The road transport industry's objective to enhance road safety will be achieved upon the successful completion of this process.

The transfer of the IRU Academy ADR Programme relied on the following components:

- a. Selection of Accredited Training Institutes compliant with the IRU Academy Accreditation criteria;
- b. Identification of potential ADR instructors complying with established requirements;
- c. Organisation and delivery of a 3 to 4 day long TTT¹ session;
- d. Coaching and support in the training Pilot preparation phase and assistance in the IRU Academy Accreditation phase to obtain the IRU Academy Accredited Training Institute (ATI) status;
- e. Organisation, shadowing and coaching during the ADR Driver Training Pilot Programme delivered by the training institutes (3 day long Pilot sessions);
- f. Accreditation of the ATI and Instructors' certification;

In order to ensure successful delivery of the IRU Academy ADR Programme through the ATIs in their countries, the Programme has been fully translated into Arabic and regionalisation has taken place where necessary.

1. The duration could vary depending on the size of the audience and the existing pre-requisites

4 Results

This Pilot experience, rolled-out in four LAS countries (Jordan, Kuwait, Qatar and Saudi Arabia) and established on the basis of the IRU Academy's internationally recognised training standard, has been very successful in allowing Jordan, Kuwait, Qatar and Saudi Arabia to benefit from a high quality professional training programme, as implemented throughout the IRU Academy ATI network worldwide² in a very cost effective and time efficient manner.



These four training institutes have had the opportunity to develop their expertise and training capacity without having to rely, for future ADR driver training delivery, on the service of international consultants. These training institutes will have to maintain and develop their expertise in the field, but through their Accreditation, they are now also part of the IRU Academy network and thus enjoy free access to International Seminars, specialised Workshops, publications, e-learning and best practices for ADR training.

2. http://www.iru.org/en_academy_network

- » 12 instructors are now eligible to deliver the IRU Academy ADR Driver Training Programme in the region and thus benefit from the resources and the framework to further develop their professional capacity as qualified ADR Instructors.
- » All ADR training material including instructor resources, exercises, examinations papers and reference instructions are now available in Arabic. Furthermore, 11 IRU checklists (bus/coach, taxi and truck driver) and best practices have also been translated and regionalised in the scope of this project.
- » All ATIs benefit from an access to the IRU Academy Content Management System (academy.iru.org) where they can access, consult and download all the relevant material necessary for the delivery of their programmes in English and Arabic.
- » ATIs in Jordan and Qatar have successfully started to deliver the ADR Driver Programme, thus directly contributing to improved road safety and driver professionalism in their respective countries and abroad.
- » Kuwait and Saudi Arabia are finalising their preparation steps in order to deliver the capacity, but ADR training is already scheduled to take place in the second part of 2013.



5 Recommendations

Road safety regulations and ambitious targets to reduce accidents and casualties are a priority and the responsibility for all industry professionals. Consequently, new vehicles are being designed according to strict safety standards, legislation is gradually being enforced and innovative technologies are being launched in order to ensure compliance, amongst other changes.



The industry needs high quality learning, which focuses on developing the skills of road transport professionals by enhancing their knowledge of key aspects of road transport operations, as well as their ability to deal with them. Well-educated professional drivers are an essential contribution to making roads safer in LAS countries, while keeping the Pan-Arab region moving.

While there is an increased interest from the private sector to implement ADR professional training for their drivers and subcontractors, the current lack of harmonisation prevents it from systematically guaranteeing that transport will be undertaken at the necessary safety standards. There is a strong need for a legislative framework on the transport of dangerous goods by road to be established in LAS countries in order to reach safe and quality transport standards.

To do so, LAS countries should implement the following recommendations:

- a. Accede to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR);
- b. Translate the ADR Agreement into Arabic;
- c. Undertake the ADR accession steps;
- d. Undertake the national legal procedures in order to adopt appropriate laws and regulations on the transport of dangerous goods by road in each LAS Member State to increase road safety based on the ADR Agreement;
- e. Establish the requirements on driver qualification and notably on the mandatory requirements for drivers engaged in the transport of dangerous goods by road;

- f. Further develop and implement professional driver training requirements in a harmonised manner throughout LAS countries according to the international standards of the IRU Academy and expand the network of IRU Academy ATIs to deliver high quality training programmes to road transport professionals, as currently implemented by ATIs who benefited from the IRU-IDB-AULT grant in selected LAS countries;
- g. Setup or nominate an institution/authority responsible for ensuring, in compliance with international standards, qualitative delivery of professional driver training and organisation of examination. This will contribute to ensure sustainable and continuous quality of IRU Academy Programmes through the organisation of transparent, reliable, affordable and objective testing of IRU Academy students in the Pan-Arab region under the supervision of the AULT and in close cooperation with national competent Authorities in LAS countries;
- h. Organise a national driver training council, with representatives of:
 - » National competent authorities
 - » The transport industry (professional associations)
 - » Regional competent bodies (e.g. Arab Union of Land Transport - AULT)
 - » Training institutes
- i. Contribute to the recognition of professional achievements by national competent Authorities by countersigning IRU Academy Diplomas and Certificates, thus contributing to national and regional recognition of professional skills and facilitating the free movement of skilled labour to respond to the needs of an industry-qualified workforce;
- j. Establish checklists for enforcement authorities in order to effectively and objectively control vehicles engaged in the transport of dangerous goods.



ADR Driver Training

The IRU Academy is the only global body dedicated to road transport training. By developing top quality training programmes and ensuring quality control of training delivery, the IRU Academy actively contributes to developing professional competence in the road transport sector through the provision of various training programmes that help road transport professionals remain at the cutting edge of the latest industry developments at all levels.

IRU Academy training programmes are designed by internationally renowned experts and continually updated to integrate best practices and guarantee compliance with applicable international, regional and national transport regulations. They are delivered through the global network of IRU Academy Accredited Training Institutes (ATIs).

www.iru.org/academy

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