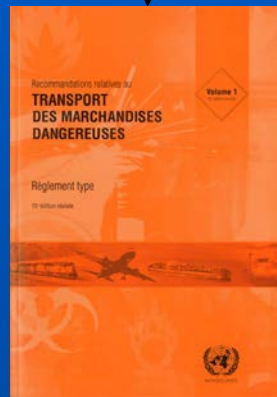
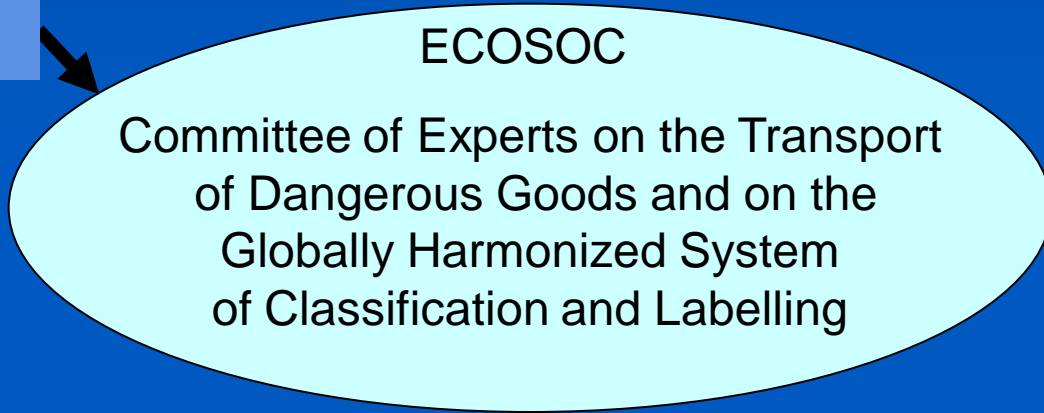


# ADR

## Harmonised framework for the transport of Dangerous Goods by Road

Doha, October 24 2013

*Patrick Philipp*  
*Head – IRU Training*



UN Model Regulations

16th edition, 2009

# Regulations for Different Transport Modes



UNECE

OTIF

ICAO

IMO

UNECE

ADR

RID

ICAO-TI  
 IATA-DGR

IMDG  
 Code

ADN



CCR  
Strasbourg

UN-ECE  
Geneva

OTIF  
Berne

Committee  
MD-G

Working Party  
WP15/AC 1

Spec. Committee  
RID-FA

Joint Meeting RID/ADR/ADNR

ADNR  
2011



ADR  
2011



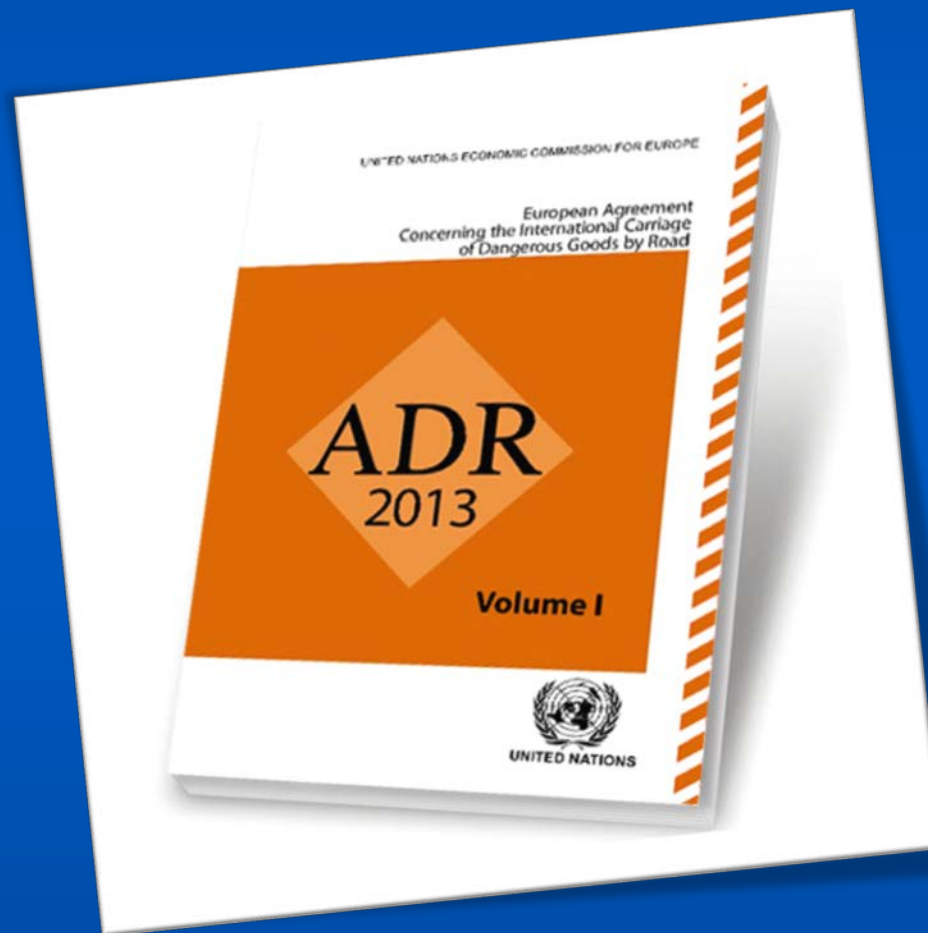
RID  
2011



# Official languages and editions
















Current Edition  
2013



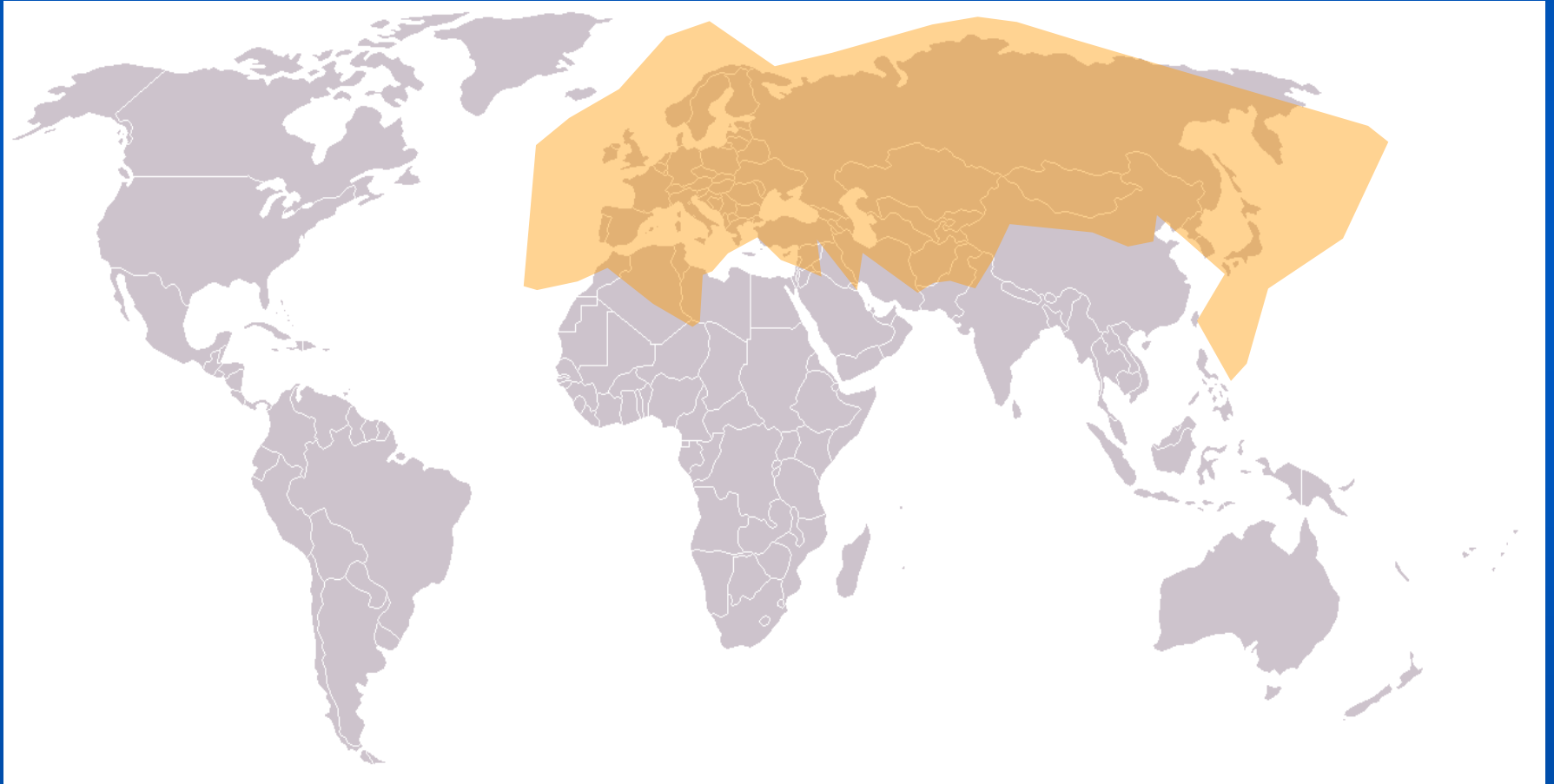
English, French, Russian

# Harmonisation

## ADR Agreement classification

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

# ADR Member States (48)





# IRU Academy Transport of Dangerous Goods (ADR) Programme



Full compliance with the ADR  
 2013 Agreement

**IRU Academy**  
**ADR CERTIFICATE**

33 100R 33 100R 33 100R 33 100R 33 100R 33 100R 33 100R

Awarded with distinction on 3 January 2007 with Certificate ID AEBCOADR0153321D1 to

**John DOE**  
 Born in Sofia, Bulgaria, on 12 August 1970, certifying possession of the

**Certificate of Professional Competence  
 in Dangerous Goods by Road (ADR)**

**- ADR Driver: Packagings and Bulk, excluding Classes 1 & 7 -**

Possession of this qualification is confirmed by the IRU Academy on its web site under Graduate Viewing Code: 1234567/1 or IP1.  
 This certificate is valid until the expiry date indicated on the ADR Certificate issued by the Competent Authority.

The training was conducted by the IRU Academy Accredited Training Institute AEBTRI and is in full compliance with the requirements of the ADR legislation and the strict criteria fixed by the IRU Academy, endorsed by its high level Advisory Committee, regarding Instructor Qualifications, Training and the Examination to provide and ensure the highest safety, security and quality in road transport.

www.iru.org/academy

Mr Martin NARMY  
 Secretary General  
 International Road Transport Union (IRU)  
 Switzerland

Mr Peter MUTAFCHIEV  
 Minister  
 Minister of Transport  
 Bulgaria

Mr Plamen TZALIKOV  
 Secretary General  
 AEBTRI  
 Bulgaria

**IRU Academy**

33 100R 33 100R 33 100R 33 100R 33 100R 33 100R

**Application Booklet**  
 to become part of the International Network of  
 IRU Academy ADR Accredited Training Institutes

**For the ADR Driver Programme**

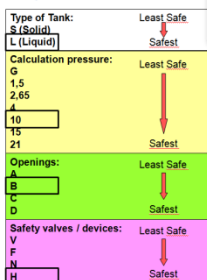
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**IRU Academy**

**Safety**



# IRU Academy Transport of Dangerous Goods (ADR) DGSA - Programme

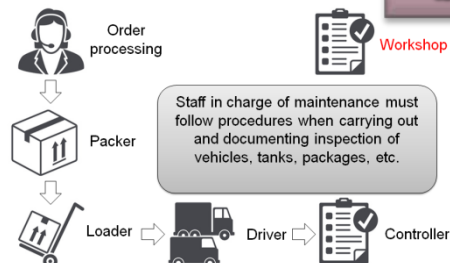
## Hierarchy



## examples

Example:  
Tank Code L10BH

## Procedures are everywhere



## best practice

### Which ADR tanks are allowed?

- Col 12: minimum ADR tank code required

ADR tank code	Special provision	Vehicle for sale carriage	Emergency category (based on restriction code)	Package	Mark	Special provision for carriage	Marking	Operating	Marked inside	EN No.	Name and description
43	4.5, 4.8.4	9.3.2	2.3.5.6 (0.6)	7.2.4	7.3.3	7.3.11	8.5	5.3.2.3			3.1.2
(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)
FRANCOIS	Tan	A2	2	(C-E)			C19				UN 1809 METHYLENE DIISOCYANATE (REFRIGERANT GAS R 134)

- Safer codes are also allowed!
- Col 13: more

systematic cross-referencing to ADR

# IRU Academy ADR CERTIFICATE



Awarded with distinction on 17 October 2013 with Certificate ID DTCCOADR73741234 to

**Damir TVRDICA**

Born in Split, Croatia, on 29 February 1976, certifying possession of the

**Certificate of Professional Competence in the Transport of Dangerous Goods by Road (ADR)**

**- Dangerous Goods Safety Adviser -**



Possession of this qualification is confirmed by the IRU Academy on its web site under Graduate Viewing Code: 5671234/J1 or /P1. This certificate is valid for the type(s) of dangerous goods and period indicated on the "Certificate of Training as Safety Adviser for the Transport of Dangerous Goods" issued by the National Competent Authority. The validity of this certificate is limited to road transport.

This course is delivered by the IRU Academy Accredited Training Institute DTC in full compliance with the requirements of the ADR Agreement 2013 and the strict criteria fixed by the IRU Academy, endorsed by its high level Advisory Committee, regarding Instructor qualification, training and examination to provide and ensure the highest professional skills and quality in road transport.

www.iru.org/academy

Mr Umberto DE PRETTO  
Secretary General  
International Road Transport Union (IRU)  
Switzerland

Mr Vladimir MUSTER  
State Secretary  
Ministry of Transport and Communications  
Croatia

Mr Petar PEVAC  
General Manager  
DTC  
Croatia



### Question

- Load:**  
UN 1309, PG II, 1x 40 kg drum  
2 jerricans of 5 l of fluorosulfonic acid  
1 drum of 100 l of shale oil, PG II
- Fill in the transport document:**  
*The goods will transit tunnels with restrictions for carriage of dangerous goods*

ADR tank code	Special provision	Vehicle for sale carriage	Emergency category (based on restriction code)	Package	Mark	Special provision for carriage	Marking	Operating	Marked inside	EN No.	Name and description
1	drum	UN 1309 ALUMINIUM POWDER, COATED, 4.1, II, (E)	40	kg							
2	jerricans	UN 1777 FLUOROSULPHONIC ACID, 8.1, (E)	10	l							
1	drum	UN 1288 SHALE OIL, 3, II, (DIE)	100	l							

## exercises

## رقم تعريف الخطورة

30  
1202

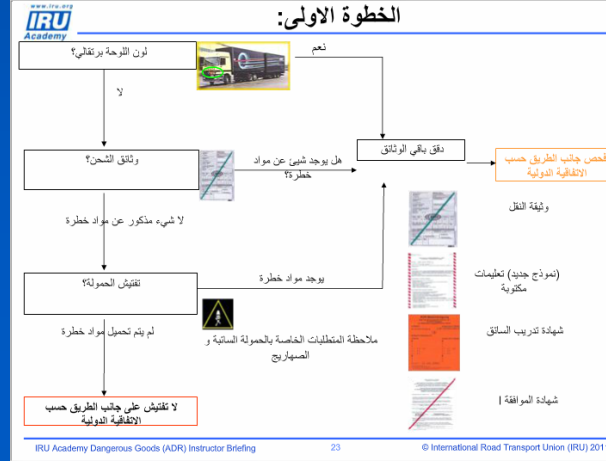
نوع الخطورة

رقم الامم المتحدة

رقم فئة الخطورة  
الرئيسي

90  
2212

- 1 = لا يوجد
- 2 = انبعاث غازات نتيجة الضغط أو تفاعل كيميائي
- 3 = سوائل ملتهبة (ابخرتها) والغازات أو سوائل ذاتية التسخين
- 4 = النهائية أو مواد صلبة ملتهبة أو صلبة ذاتية التسخين
- 5 = مواد مؤكسدة تذكى الحرائق
- 6 = سمية أو خطر التلوث
- 7 = مشعة
- 8 = متآكلة
- 9 = خطر تفاعل تلقائي عنيف



### التعليقات مكملة وفق الاتفاقية الأوروبية نقل البضائع الخطرة (ADR)

- مع فرق خطرة أو خطرة بحدوثها أو يحدث أثناء التظهير، حتى لو لم يكن البنية (المرحلة) بعد الإجراءات التالية إن كانت البنية هيكلية فقط.
- الخطوط الخطرة فقط، وذلك لتقليل المخاطر من الحوادث، مع العلم بأن الخطوط لا يمكن تحميلها لتقليل الخطورة.
- الخطوط الخطرة فقط، وذلك لتقليل المخاطر من الحوادث، مع العلم بأن الخطوط لا يمكن تحميلها لتقليل الخطورة.
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الوزن (طن)	الوزن (طن)	الوزن (طن)	الوزن (طن)
30	7.5	3.5	3.5
1202	7.5	3.5	3.5
90	7.5	3.5	3.5
2212	7.5	3.5	3.5

## اساسيات لوحة التعريف على حاويات الطرود



## طفايات الحريق



طن < 7,5

كغ 2 x 6



طن ≤ 7,5  
طن < 3,5

كغ 1 x 2  
كغ 1 x 6



طن ≤ 3,5

كغ 2 x 2



*Working together  
for a better future*

**IRU**

*s i n c e 1 9 4 8*