
Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

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

Geneva, 19-29 September 2017

Item 8 of the provisional agenda

Accidents and risk management

26 July 2017

Report on the 10th Workshop of the roadmap on Risk Management in the context of rail, road and inland waterways Transport of Dangerous Goods

Transmitted by the European Union Agency for Railways (ERA)

General information

The 10th Workshop of the roadmap on Risk Management of Inland Transport of Dangerous Goods took place on 13 - 15 June 2017 at the headquarters of the European Union Agency for Railways (hereinafter the Agency), Valenciennes, France.

Mr. Emmanuel Ruffin, Project officer in charge of Transport of Dangerous Goods (TDG) at the Agency, chaired the plenary sessions and the joint sessions of groups A (data management) and B (risk estimations), and Mr. Henk Langenberg (DGMI / NL) chaired the meetings of the Group C (decision-making).

Forty (40) participants from 15 countries, experts in the field of transport of dangerous goods, representatives of national administrations, the private sector and international organizations attended the workshop.

The workshop sessions were organized for providing the participants with a detailed view of the content of the future guides and for giving an overview of the foreseen practical implementation by the users of the guide on risk estimations.

Main results of the 10th workshop

The plenary sessions discussed the future framework of guides under the light of the possibilities offered to the users, anticipating also a second phase of the TDG roadmap for years 2018-2020.

The discussions led to agreement on the one hand, on practical steps for the finalization of the guides with a publication foreseen beginning 2018, and on the other hand, on a list of priority actions for period 2018-2020.

On the structure of the framework

The workshop's participants went through the detailed presentations on the content of the future guides and agreed to finalise the drafting of the guides based on the presented points, taking in account specific clarifications.

From an editorial point of view, the participants pointed out the need for user-friendliness of the framework which resulted to agreement and adoption of the following structure:

- o The framework guide,
- o The risk estimation guide,
- o The risk management and decision-making guide, and
- o The framework glossary.

This final structure shall lead to:

- o In the risk estimation guide, inclusion of the calibration of the risk estimation model (formerly calibration was in part B of the framework guide),
- o In the framework guide, preservation of a) the high-level description of the guide composing the framework and b) the high level description of the framework maintenance process (life-cycle of the framework, expected activities of the expert users group...),
- o Replacement of former guide A on data management by recommendations (on parameters definitions, data quality, reporting regimes, databases access...) to be addressed to the Joint Meeting for 1) improving the quality of information on dangerous goods events, including low consequences and frequent ones and 2) assuring the future availability of robust statistics necessary for implementing risk estimation methods, including the harmonized one.

In relation to the use of robust statistics, the workshop participants considered necessary to undertake a revision of chapter 1.8.5 RID/ADR/ADN, under the hospice of the Joint Meeting, taking into account the results obtained both by the TDG roadmap workgroups A and B.

It was also discussed that the group B did not reach a level playing field description of relevant cause-trees for the three modes of transport, as only railways and inland waterways were able to initiate this approach with more or less success. The cause-trees approach was not developed for the road mode due to the lack of contributions on this topic. Taking into account this situation it was decided to establish the level playing field between modes at the level of the direct causes of the TDG events considered in the harmonized framework.

On data management and calibration of the framework

It was clarified and agreed that the harmonized approach will use the following generic principles:

- o The risk estimations are – by default – calibrated with the best available data for EU region estimation context.
- o The user of the guide will be able to modify the – by default – setting of “open parameters” with user-defined settings, as long as these user-defined settings are transparently justified,
- o “Closed parameters” will not be allowed for user-defined setting for preserving the comparability of the risk estimation results; however ‘closed parameters’ will be set in accordance with the “average” practice of existing models.

It was well noted that the proposed calibration system will:

- o Allow the user of the guides to adapt ‘by default’ settings of “Open parameters” to specific case studies,
- o Not allow user-defined settings on “Closed parameters”.

It was also noted that the calibration process might also be used, in the future, to calibrate the model for other regions than the EU or for setting country specific calibrations. Anyway, this calibration will only be available if the future availability of relevant data is ensured by better adapted reporting regimes.

It was lastly noted that for a large number of parameters, especially for the road and waterways modes, the relevant statistics might not be available for properly setting 'by default' EU calibration. This means that, in such a situation, the users of the risk estimation guide will have first to collect relevant data (as it is also currently happening when using existing models) for benefiting from the harmonized approach and mutual recognition of risk estimation results.

One participant reminded that this situation was already reported in the conclusions of the 2014 DNV study made on behalf of the European Commission which indicated that relevant "network statistics" should be established for the three inland transport modes.

The Chairman also underlined the utmost importance that the calibrated risk estimation model correctly reflects relevant safety performance indicators already available and convened interested experts to a dedicated meeting on this topic in July 2017. This meeting¹ was held later on 5 July 2017.

On the decision making guide

Group C reviewed in detail the content proposed by the chairperson of the workgroup. Both group C and later the plenary meeting fully agreed to draft the guide in line with the proposal.

One conclusion was clearly reiterated on the fact that the decision-making guide will merely assist decision-makers to optimize the level of risks of the considered situations while respecting high-level decision-making principles but in no way it will make the decision instead of the decision-makers.

It was also reminded that in the first version of the guides no risk acceptance criteria will be established but only good practices for optimizing residual level of risks using harmonised decision-making principles and harmonised decision-making indicators.

On the development of use-case examples

Participants were satisfied by the current stage of development of the risk estimation guide (part A) which already allowed volunteer users to start testing the method on real cases.

The risk estimation use-case examples that have been initiated by test-users (Spain, Belgium) were discussed and globally it was confirmed that the guide B (part A) seemed to address correctly the important parameters that are needed for the description of TDG risks studies.

Without surprise, it was noted that the preparation of pertinent data takes time, also due to the current general situation of the – difficult - access by individual users to data relevant for risk estimations. This situation will have to be considered in relation with the target data system established in conclusion of the group A work for improving the current situation and potential future work of the Joint Meeting on event reporting regimes.

From the user perspective it was noted that the guides cannot replace users' competence, expertise and knowledge nor should be considered as training material. It was concluded that tutorials may be developed in the 2018-2020 phase of the TDG roadmap as a complement to the guides.

¹ In this meeting the need to address properly the calibration topic was confirmed and follow-up actions contributing to the finalisation of the risk estimation guide were decided (review of the method proposed by the Agency for the estimations of DG scenarios impacts and link with safety performance indicators).

It was agreed to continue the activity of use-case example developments and to use this work to continue refining and clarifying the guides, as much as possible until the end of the drafting process. After the publication of the first version of the guides, the use-case activity and the monitoring of the users feedback should be continued as part of the tasks of an expert user group.

Conclusion of the 10th workshop

Reminding the participants how challenging the TDG roadmap project was from its starting point in 2013, the Chairman considered that a very good opportunity is now existing for delivering a break-through risk management framework which will allow many users to improve their usage of risk-based decision-making technics or to start with the implementation of these technics.

The Agency concluded that it would report the progress of the TDG roadmap to the next session of the Joint Meeting, in particular with the objective of continuing a good cooperation for the 2018-2020 activities of the TDG roadmap.

The Agency warmly thanked all the participants for their constant implication and contribution to the development of the framework during the first phase of the TDG roadmap and confirmed that the Agency will be honoured continuing facilitating the TDG roadmap developments for the period 2018-2020.

Invitation to the 11th workshop

The delegates of the Joint Meeting are kindly invited (see invitation as addendum to the present document) to the 11th Workshop on risk management in the context of road, rail and inland waterway Transport of Dangerous Goods which will be held on 10-12 October 2017 in Valenciennes, France.

**Subject: 11th Workshop on Risk Management in the context of rail, road and inland waterways
Transport of Dangerous Goods**

Dear Sir/Madam,

I am pleased to invite you to the **11th Workshop on Risk Management in the context of rail, road and inland waterways Transport of Dangerous Goods**.

10 - 12 October 2017
European Union Agency for Railways, 120 rue Marc Lefrancq
59307 Valenciennes (France)

The 11th Workshop is the last workshop of the 1st phase of the TDG Roadmap. It will be devoted to the review of the draft Guides. It will start at 09:30 on the first day and will end not later than 12:30 on the last day.

For your information, two others provisional review meetings, to be organised with a small group of volunteer reviewers (15 persons max) may take place at the following provisional dates: 12 - 13 December 2017 and 15-16 January 2018, if necessary. Volunteer reviewers are kindly requested to announce their availability for these meetings when they register to the 11th workshop, using the same registration form, annexed to the present invitation.

In line with the conclusions of the 10th Workshop, the Agency has the pleasure to announce that a 2nd phase TDG Roadmap will give a follow-up to the 1st phase, taking place from 2018 to 2020, and focusing on the facilitation of the implementation of the TDG guides framework. Detailed actions and planning for this 2nd phase are under discussions in combination with the planning of the Agency resources for the same period. Further announcements will be made concerning the organisation of this second phase toward the end of this year.

Provisional agenda

The sessions of the 11th workshop will be organized as following:

1st day – 10 October 2017 - 9:30 – 17:30 - Plenary session (limited to 40 participants)
Review of draft 'risk estimation' guide

2nd day – 11 October 2017 - 9:30 – 17:30 - Plenary session (limited to 40 participants)
Review of draft 'risk management and decision-making' guide.

3rd day – 12 October 2017 – 9:30 – 12:30 - Plenary session (limited to 40 participants)
Review of draft 'Inland TDG risk management framework' guide, preparation of next review meetings, information on the 2nd phase TDG Roadmap and closure of the workshop.

Registration and venue

You are kindly requested to confirm your attendance before the 10 September 2017 by sending your [registration form](#) duly completed, to TDG functional mailbox: TDG@era.europa.eu.

With the present invitation, you may find the provisional detailed agenda in Annex I and travelling & accommodation information in Annex II.

In case you would need more information, you may also contact Safety Unit Secretariat at tel: +33 3 27 096 735 (Ms. Aude EL KANSOULI).

Please, consider that due to the limited capacity of the meeting rooms, the European Union Agency for Railways may need to allocate the available seats with the objective to achieve a well-balanced representation of each type of organisations or modes of transport.

Publication and sharing of documents/comments

As announced during the 10th workshop, the Agency will publish a first update of the guides by end of July 2017. TDG Roadmap members will be kindly invited to share their comments on this updated version and to make amendments proposals in track-change mode at the latest by the 10th September 2017.

A second update of the guides will be published by end of September, taking into consideration, as far as possible, the comments received by 10th September 2017.

Comments shared with the Agency by the TDG Roadmap members will be added to the list of available documents and made available to the other members on ERA TDG extranet workspace.

In order to facilitate the access to relevant information, the Agency will regularly update the [list of available documents](#) and will publish [announcements](#) for the preparation of the workshop.

Working arrangements

The workshop will be held in English in accordance with the terms of reference adopted at the 5th workshop.

There will be no reimbursement of travelling or other expenses for your participation to the workshop plenary sessions or to the workgroups.

Yours faithfully,

(signed)

Christopher CARR
Head of SAFETY Unit

Provisional Agenda

11th Workshop TDG

Valenciennes / 10-12 October 2017

Provisional agenda

Day 1: 10 October 2017

Plenary session (limited to 40 participants)

Welcome of the participants	09:00
Introduction	[09:30 10:00]
<ul style="list-style-type: none">• List of available documents and comments• Adoption of the 11th workshop agenda• Adoption of the 10th workshop minutes	
Review of the 'Risk estimation' guide¹	[10:00 11:00]
Coffee break	[11:00 11:30]
Review of the 'Risk estimation' guide (continued)	[11:30 13:00]
Lunch break	[13:00 14:00]
Review of the 'Risk estimation' guide (continued)	[14:00 15:30]
Coffee break	[15:30 16:00]
Review of the 'Risk estimation' guide (continued)	[16:00 17:30]
End of 1 st day	17:30

¹ The TDG framework Glossary will be reviewed in combination with the review of the guide.

Day 2: 11 October 2017

Plenary session (limited to 40 participants)

Welcome of the participants	09:00
Review of the 'Risk management & Decision-making' guide²	[09:30 11:00]
Coffee break	[11:00 11:30]
Review of the 'Risk management & Decision-making' guide	[11:30 13:00]
Lunch break	[13:00 14:00]
Review of the 'Risk management & Decision-making' guide	[14:00 15:30]
Coffee break	[15:30 16:00]
Review of the 'Risk management & Decision-making' guide	[16:00 17:30]
End of 2 nd day	17:30

² The TDG framework Glossary will be reviewed in combination with the review of the guide.

Day 3: 12 October 2017

Plenary session (limited to 40 participants)

Welcome of the participants	09:00
Review of the 'Inland TDG risk management framework' guide³	[09:30 11:00]
Coffee break	[11:00 11:30]
Preparation of the next review meeting	[11:30 12:15]
Information on the 2nd phase TDG Roadmap	[12:15 12:30]
Closure of the 11th workshop	[12:30]
Lunch	[12:30 13:30]

(for 'Communication team' only)

Meeting of the 'Communication team'	[13:30 15:30]
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Provisional dates for guides review meetings:

- *2nd review meeting – 12-13 December 2017*
- *Last review meeting – 15-16 January 2018*

Provisional dates for the 2018 TDG workshops:

- *12th TDG Workshop – 20-22 February 2018*
- *13th TDG Workshop – 19-21 June 2018 (dates to be confirmed)*
- *14th TDG Workshop – 23-25 October 2018*

³ The TDG framework Glossary will be reviewed in combination with the review of the guide.

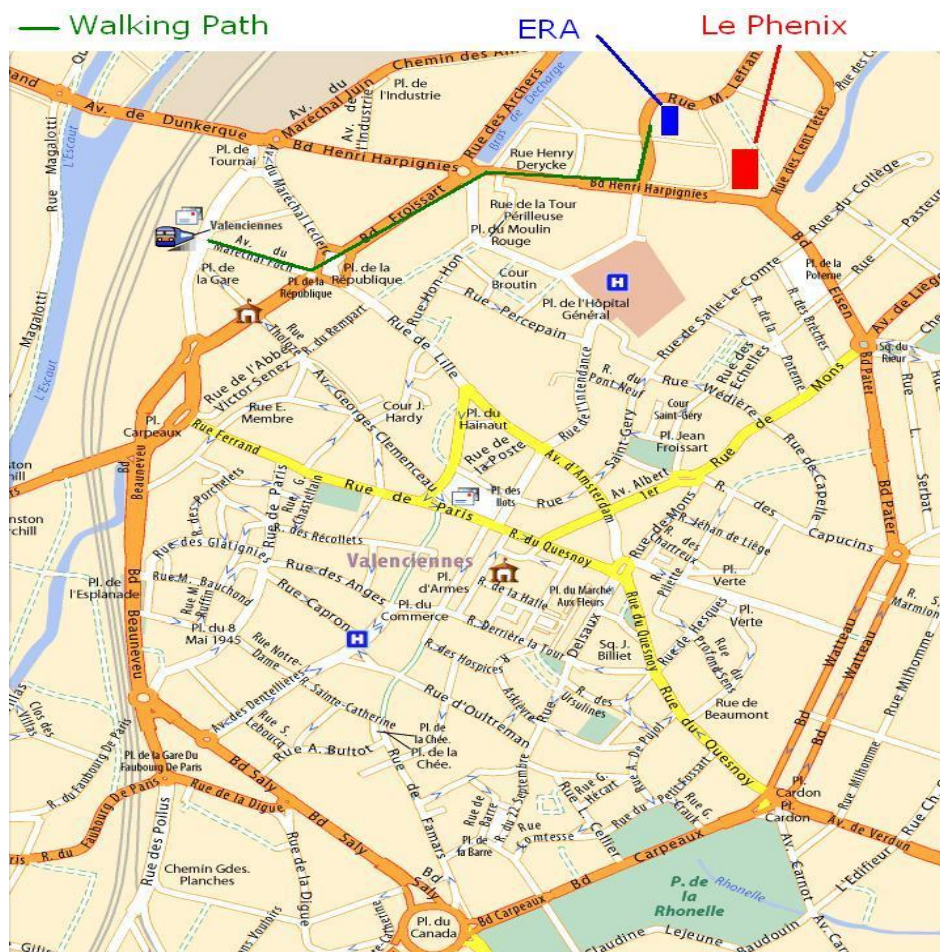
Visiting the European Union Agency for Railways Office

European Union Agency for Railways

120 rue Marc Lefrancq
59300 Valenciennes, France

Tel. +33 327 096-500
Fax + 33 327 334-065

From Valenciennes railway station, the Agency is within 15 minutes walking distance from Valenciennes railway station - see map with the walking path below.



By train:

From Lille Europe railway station, you need first to go to Lille Flandres railway station (5 minutes walking distance).

From Lille Flandres railway station you can use regional ([TER](#)) trains connecting frequently Lille Flandres with Valenciennes to reach the Agency.

→ For booking your train tickets you may consult [Trainline](#) website.

By Car:

From Paris:

Motorway A1 then A2
Exit 21 "Valenciennes Centre"
At roundabout "place du Canada"
Follow "Théâtre Le Phenix"

From Belgium:

Motorway A2
Exit 21 "Valenciennes Centre"
At roundabout "place du Canada"
Follow "Théâtre Le Phenix"

From Lille:

Motorway A23
Exit 8 "Valenciennes Nord"
Follow "Valenciennes centre"
Then follow "Théâtre Le Phenix"

Where to stay overnight in Valenciennes?

Many hotels are available in Valenciennes and may be found using internet search engines.

The following hotels are located in proximity to the Railway Station and near the European Union Agency for Railways building:

<p>Le Grand Hôtel *** (842 m)* 8 place de la Gare 59300 Valenciennes +33.3.27.46.32.01 www.grand-hotel-de-valenciennes.fr</p>	<p>Mercure Valenciennes Centre (1,3 km)* 5 Rue du Saint Cordon 59300 VALENCIENNES +33.3.27.23.50.60 http://www.accorhotels.com/fr/hotel-8576-mercure-valenciennes-centre/index.shtml</p>
<p>Residhome du Théâtre*** (75m)* 90, boulevard Henri Harpignies 59300 Valenciennes +33.3.27.19.80.80 http://www.residhome.com/residence-hoteliere-aparthotel-valenciennes-229.html</p>	<p>Auberge du Bon Fermier (1,33 km)* 64 rue Famars 59300 Valenciennes +33.3.27.46.68.25 http://www.bonfermier.com/</p>
<p>Le Chat Botté *** (871 m)* 25 rue Tholozé 59300 Valenciennes +33.3.27.14.58.59 www.hotel-lechatbotte.com</p>	<p>IBIS Hôtel ** (2 km)* 90 Rue Baudouin 59300 Valenciennes +33.3.27.22.80.80 http://www.accorhotels.com/de/hotel-6549-ibis-valenciennes/index.shtml</p>

* walking distance from the Agency's meeting rooms.

11th Workshop on Risk Management in the context of Inland Transport of Dangerous Goods

10 - 12 October 2017 - European Railway Agency
120 rue Marc Lefrancq - 59300 Valenciennes - France

Registration form

Registrations¹ shall be sent to TDG@era.europa.eu before **10 September 2017**

Title	
First Name	
Family Name	
Contact e-mail	
Function	
Represented organization	
Represented Country / Region	

If applicable, please indicate for which draft guide you have sent / will send comments:

- Framework guide
- Guide on risk estimations
- Guide on risk management and decision-making
- Framework glossary

We kindly remind you that, in accordance with the invitation, draft guides will be uploaded on the TDG extranet by end of July for your review and that your comments needs to be provided, before the 10th of September. Where possible, it is recommended to directly propose amendments of the draft text using track change mode.

Please note that your inputs will be shared with the other TDG extranet members for facilitating the review of the guides.

¹ The European Railway Agency is committed to your privacy and is going to process your data legitimately and only for the purpose of the organization of the workshop in line with Regulation (EC) N° 45/2001 of the European Parliament and of the Council of 18 December 2000 on the "protection of individuals with regard to the processing of personal data by the Union institutions". For more information, please visit ERA's website on data protection here: <http://www.era.europa.eu/Pages/Privacy-statement---Meetings-organised-by-the-Agency.aspx>