



## ITCO October 2020 Newsletter *and Technical Report*

### A. ITCO October 2020 Newsletter

#### *This month:*

- **Technical/Regulatory WG Webinar (21 Oct 2020): Registration now open**
- **Sustainability: presentation and image now available to download**
- **Tank Container Village at *transport logistic 2021***
- **ITCO Technical Guidelines**
- **ITCO E-learning Course**
- **Report of September's RID-ADR Meeting**

#### **1. Technical/Regulatory WG Webinar (21 Oct 2020): Registration now open**

Registration is now open for the **Technical/Regulatory** Webinar taking place on Wednesday 21 October 2020. This will be the second in the series of Work Group Webinars organised by ITCO to replace its Annual Members Meeting.

#### *Practical details as follows:*

**Date:** Wednesday 21 October 2020

**Time:** 11:00 UK Time

**Registration:** To register, click on this link – [TECHNICAL/REGULATORY WEBINAR](#)

The presentation will be given by Colin Rubery, ITCO Technical Secretary. If you have any points or questions that you would like to raise in advance of the presentation, please email to: [rubery@itco.org](mailto:rubery@itco.org)

After this, the **Tank Safety Work Group** webinar will take place on **Wednesday 18 November 2020**.

Further Webinars can be proposed on other relevant topics. Members wishing to present (or contribute in other ways) to a webinar - contact [hicks@itco.org](mailto:hicks@itco.org)

#### **2. Sustainability presentation - and image now available to download**

Over 55 Members participated in the ITCO Sustainability Work Group Webinar on 17 September. The two WG leaders gave a presentation about the work that has been undertaken over the past year. This was followed by a Q&A discussion – during which a number of useful proposals were raised by participants. ITCO Members are able to download a copy of the presentation from the ITCO website – please click on this link: [SUSTAINABLE](#).

#### **“Reduce, Re-Use, Recycle with an ISO Tank”**

Members are encouraged to use the **“Reduce, Re-Use, Recycle with an ISO Tank”** image that was presented during the webinar – it can be attached on the side of a tank container, used in brochures and advertisements, and included on emails and website. Different versions of the image are available to download – click on this link, which will take you to the ITCO Page: [REDUCE](#)

### 3. Tank Container Village at *transport logistic 2021* – Information Pack/Stand Booking

Initial planning has commenced for the **ITCO Tank Container Village** at the [transport logistic 2021](#) exhibition (Munich, 4-7 May 2021).

The ITCO Secretariat, together with Meplan (the Village's Stand Management Company), are currently preparing the Tank Container Village Information Pack and Stand Booking Form. This will be distributed to Members shortly – exhibitors at the last two Villages (Munich 2019 and Shanghai 2018 are given priority booking opportunity).

It is recognised that there will continue to be uncertainty about Meetings and Exhibitions for some months to come. So there will be no financial commitment until the Covid situation is re-assessed in early 2021.

To receive the Information Pack and Booking Form, contact: [ines.hakala@meplan.de](mailto:ines.hakala@meplan.de)

### 4. ITCO Publications and Guidelines

Members are reminded that a number of ITCO Technical Publications and Guidance are available on the ITCO Website.

- **TG01: SP386** - Guidance for tank operators transporting polymerizing substances
- **TG02: Sampling** - Guidance for tank operators and service providers
- **TG03: TP6 pressure-relief device**: Guidance for tank operators transporting polymerizing substances
- **TG04 Working on Top**: Guidance for working on top of a tank container
- **TG05 Safe Entry into a Tank Container**: Guidance for entering a tank container
- **TG06 – ADR-RID Tank Code** – Guidance for Tank Codes displayed on a RID-ADR Tank

To download the Guidelines, click on: [PUBLICATIONS](#)

### 5. ITCO Tank Container E-Learning – Two Free Courses for Each Member

The up-take of e-learning courses continue to progress, with a number of companies placing bulk orders for multiple courses – one company has just ordered 100 courses, benefiting from the bulk discount, which will enable most of their personnel to undertake the course.

ITCO Members are reminded that each member company is offered two free Tank Container E-learning Courses. If you haven't already taken up this offer, further information can be obtained from the Course manager, Exis Technologies – please contact: [Melanie.Stephenson@existec.com](mailto:Melanie.Stephenson@existec.com)

### 6. ITCO on Twitter

ITCO has an active Twitter account. In addition to the more “traditional” method of communicating to Members by email, we also use Twitter to send out relevant news and announcements.

To follow ITCO on Twitter, click here: [TWITTER](#)

### 7. President's email address

Please note that ITCO President Reg Lee has changed his email address. His new one is: [regleeuk@gmail.com](mailto:regleeuk@gmail.com)

*For further information on items in this newsletter, please contact [hicks@itco.org](mailto:hicks@itco.org)*

## B. ITCO October 2020 Technical Report

1. Report of Joint RID-ADR meeting in September
2. IMO – IMDG - Certified Safe type - data loggers and tracking devices
3. Monthly quiz

### 1. Report of Joint RID-ADR meeting

*The Joint RID-ADR meeting was organised as a “virtual” meeting during September. A number of the papers impact upon the tank container, as follows:*

**Extra-large tank-containers** and (ITCO Inf 45)). In response to OTIF 2020/6, requiring reinforcement plates fitted on attachments to the tank shell, it was agreed that provisions should express the purpose and not be design restrictive as proposed by OTIF. The proposed amendment was changed to - *Welded elements shall be attached to the shell in such a way that tearing of the shell is prevented.*

**Tank Manlid 4-bar** (OTIF 2020/6) proposal for a minimum 4 bar man-lid to tank containers (as specified on rail-tank waggons) was not agreed. OTIF reasoning seems to be the ability of the man-lid to withstand surge forces. The subject will be re-considered at the next meeting. The proposal is driven by OTIF intension to align extra-large tank containers to rail tank waggons. The ITCO suggestion to limit the OTIF proposed requirement to tank containers with a capacity of more than 40,000 litres was not carried.

**T75 cryogenic tanks** (EIGA 2020/1) There was consensus that the intermediate periodic test requirements for tank-containers should be treated in a similar way as tank-wagons and tank-vehicles. The test 6.8.3.4.6, should be carried out at intervals of 6 years (ADR) and 8 years (RID).

**T50 Gas water-quenched steel** (Russia 2020/32) (6.8.2.1.10, 6.8.2.1.11 and 6.8.2.6.1) There was agreement that in principle water-quenched steels could be used if they demonstrated sufficient ductility and good weldability ie a ratio of 0,85 between Re/Rm. However, the matter is to be referred to UN TDG meeting.

**Calculation of the minimum shell thickness (Russia 2020/33)** The proposal questioned the consistency between subsections of the existing regulations and in particular 6.8.2.1.16. and 6.8.2.1.13 concerning calculation pressure v design pressure which determines the shell thickness. It was felt that this needed no further amendment but might be re-considered at a future session.

**Internal stop valve external stress values(Russia 2020/35).** It was said that in the current wording 6.8.2.2.2.concerning the stresses that would act on the stop-valve and its seating, was not understood and proposed a change. The meeting noted EN 14433:2014 which specifies a breakaway test that has to be passed for design approval. The proposed amendment was not carried as it was felt that the current wording was sufficient and had proven itself over many decades.

**Marking of serial number on tank shells (UK 2020/Inf 54)** It was proposed to introduce a requirement for the manufacturer's serial number to be stamped on the shell to ensure identification if the tank plate was lost or removed. This is an existing requirement of the type approval EN 12972:2018 (6.8.2.6.1 mandatory from 01.2022).

**Inspections of tanks whose deadlines for intermediate inspections have expired (France 2020/18, UK 2020/48, UIP 2020/45)** When a 2.5-yr intermediate inspection is overdue by more than 3 months, as allowed by 6.8.2.4.3, the regulations do not state the action to be taken. The proposal is to align with amendments for 6.7 and require a 5-yr periodic inspection.

Most of those present that spoke, were of the opinion that the normal 2.5-yr due inspection should be performed and that from experience over many years indicates no additional safety benefits by

performing more stringent inspections (ie 5-yr periodic). It was mentioned that consequential cleaning for the periodic test would lead to high costs and pressure on the environment. It was said that the regulations currently did not give enough guidance for inspection bodies on how to act in case of overdue inspections. UIP volunteered to return with a new proposal for a future session.

**inspection and certification of tanks, informal working group report 13<sup>th</sup> session (UK 2020/19 and associated papers)** The plenary charged the working group with taking forward the concluding remarks of the Chair of the Joint Meeting on three tasks.

- a) To formulate a survey for the contracting parties to clarify the direction of the work concerning the application of national systems for the approval of inspection bodies.
- b) To advise the Joint Meeting on how to proceed with the Entry Into Service Verification (EISV).
- c) To advise on the use of Type C accredited inspection bodies. It was felt by many in the working group that regardless of accreditation to ISO/IEC 17020 the independence of Type C inspection bodies was nevertheless questionable.

The WG is proposing a more exacting interpretation of procedures, an added entry into service verification and a requirement that authorised inspection bodies (AIB) would need to be accredited by a national body which would potentially restrict the number of countries where the AIB could operate or require numerous accreditation. For new manufacture the inspection body will need to be acceptable to the operators country of registration. As proposed, inspection bodies could be restricted in the tasks that they undertake throughout Europe and generally, any the eventual amendments to the procedures risk adding cost.

## 2. IMO – IMDG - Certified Safe type - data loggers and tracking devices

At the IMO CCC 2019 meeting, it was proposed that new provisions for data loggers and tracking devices would be included in IMDG 5.5.4.1 It was proposed that such devices be of a "certified safe type".

This means a definition and design criteria of devices suitable to operate in zones where there could be dangerous atmospheres.

To this end, ISO TC 104/SC 4/WG 2 has developed a proposal on a certified safe type which will be presented to the next session of IMO-CCC – because of COVID-19, this is scheduled for 2021. The proposal covers devices according to the zone of operation:

**Zone 0 (gas)/Zone 20 (dust)** – a place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist/dust is present **continuously** or for long periods or frequently.

**Zone 1 (gas)/Zone 21 (dust)** – a place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist/dust **is likely to occur in normal operation occasionally**.

**Zone 2 A (gas)/Zone 22 (dust)** – a place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist/dust is **not likely to occur in normal operation but, if it does occur, will persist for a short period only**.

## 3. Monthly Quiz

Add the appropriate Class numbers 1 to 3 and 6 to 9 to each of the following substances

- Explosives
- Flammable liquids
- Corrosives
- Toxic and infectious

- Miscellaneous dangerous goods
- Gases

Please email your answers to the Technical Secretary ([rubery@itco.org](mailto:rubery@itco.org))

*For further information on any of the points raised in this Report, Members should contact the Technical Secretary or the North American Technical/Regulatory Consultant:*

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