

# OTIF



ORGANISATION INTERGOUVERNEMENTALE POUR  
LES TRANSPORTS INTERNATIONAUX FERROVIAIRES

ZWISCHENSTAATLICHE ORGANISATION FÜR DEN  
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**Subject:** Securing the folding panels

**Proposal transmitted by Belgium**

## Introduction

For compressed gases, liquefied gases, refrigerated liquefied gases and dissolved gases filled by mass, the load limit depends on the substance being carried. For this reason, the folding panel system is used for multiple use tanks (see Annex 1). These folding panels are referred to in RID 6.8.3.5.7.

However, folding panels may also be used for orange-coloured plates and placards, and on multiple use tanks or on empty, uncleaned wagons, they can be used as a system for covering the marking and the placards.

When using this system, it is obviously important that the panels do not fold up under the effects of impacts or jolts that occur during transport. This is taken into account in paragraph 1.3.2 of UIC leaflet 573 "Technical conditions for the construction of tank wagons". This point is also taken into account in paragraph 5.5 of UIC leaflet 471-3 "Inspections of dangerous goods consignments in international transport" (see Annex 2).

It is proposed to complete sub-section 5.3.1.4 and paragraphs 5.3.2.1.1 and 6.8.3.5.7 of RID in a similar way to the UIC leaflets.

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## **Proposal**

### Proposal 1

#### **5.3.1.4** Add a new paragraph at the end:

“If the placards are mounted on folding panels, these shall be strongly-built and secured to prevent untimely collapse or loss as a result of impact or of an unintentional action. It must be possible to seal the folding panels in all cases.”

### Proposal 2

#### **5.3.2.1.1** Add a new paragraph at the end:

“If the orange-coloured plates [or the alternative marking referred to in 5.3.2.2.1] are mounted on folding panels, these shall be strongly-built and secured to prevent untimely collapse or loss as a result of impact or of an unintentional action. It must be possible to seal the folding panels in all cases.”

### Proposal 3

#### **6.8.3.5.7** Add at the end:

“These folding panels shall be strongly-built and secured to prevent untimely collapse or loss as a result of impact or of an unintentional action. It must be possible to seal the folding panels in all cases.”

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**UIC leaflet 573 – Technical conditions for the construction of tank wagons**

**1.3.2 - Mobile flaps**

**1.3.2.1** - In the case of tank wagons designed for the conveyance of several dangerous substances, it may be necessary or worthwhile to display certain markings, such as: substance carried, loading table, danger warning sign, on mobile flaps.

These markings shall be displayed on the reference mark plates mentioned in point 1.3.1.

**1.3.2.2** - These mobile flaps must be strongly-built and designed to prevent untimely collapse or loss as a result of impact or of an unintentional action.

**1.3.2.3** - It must be possible to seal the mobile flaps in all cases.

**UIC leaflet 471-3 "Inspections of dangerous goods consignments in international transport"**

5.5 ... Mobile flaps must be secured against unintentional collapse or loss; ...

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