

**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**

18 February 2019

Bern, 18-22 March 2019

Item 6 of the provisional agenda

**Reports of informal working groups**

**Report of the Informal Working Group on the reduction of the  
risk of a BLEVE**

**Transmitted by the Government of Spain on behalf of the Informal  
Working Group**

**Annex 5**

**Preventive measures in parking areas (France)**

# RID/ADR BLEVE WG Madrid January 2019

## Preventive measures in parking areas concerning dangerous goods vehicles



MINISTÈRE  
DE LA TRANSITION  
ÉCOLOGIQUE  
ET SOLIDAIRE

Ministère de la transition écologique et solidaire

# Parking limitations on open roads (outside private companies premises)

- ❑ Concerned vehicles Class 1 and tanks with a capacity of more than 3000l
- ❑ Parking time 2 to 12 h : distance > 10m from houses or buildings open to public
- ❑ Parking time over 12 h :

Outside city limits :

- Distance > 50 m from houses or buildings open to public
- 50 m between Class 1 transport units
- 10 m between other vehicles and with class 1

Inside city limits : no parking allowed on public infrastructure (only inside secured premises)



# Accidents

- ❑ BASSENS (30), April 3rd 2016 : Gas tank vehicle Bleve



- ❑ JONQUIERES (48), gas cylinder explosion on vehicle and storage



# Additional measures for private parkings with some TDG vehicles

## Scope

- Parking with a capacity of more than 30 concerned vehicles or 5 vehicles carrying gases

(Exclusion of transit and/or repair)

## Concerned vehicles

- Flammable Gas in tanks > 3000l
- LPG in cylinders > 10000 kg
- Toxic gases in tanks
- Flammables liquids PGI and II in tanks > 3000 l



# Measures for private Parkings

- 1,80m Fence with « concertina » barbed wire

- Equivalent secured entrance door



- For future parkings the concerned vehicles must be parked 10m from the property limit.

- Parking plan segregating vehicles carrying gases from those carrying flammable liquids

# Measures for private Parkings

- Site Plan for fire fighters mentioning :
  - The parkings zones for gases and flammable liquids
  - The potential target in the immediate vicinity (buildings etc..)
  - The available fire fighting resources (water etc..)
  - An emergency phone number
  - An estimate of the most commonly present DG



# Measures for private Parkings

- Fire prevention

Where applicable : verify axle heating indicators

Where applicable: activate battery master swicht

Verify closures for no leakage

- Minimum fire fighting means:

2 mobile fire extinguishers 50 kg

Water supply 60m<sup>3</sup>/h or equivalent





# Measures for private Parkings

- ❑ Surveillance and fire detection
- ❑ Work in progress on the development of automatic detection and fire fighting system

