

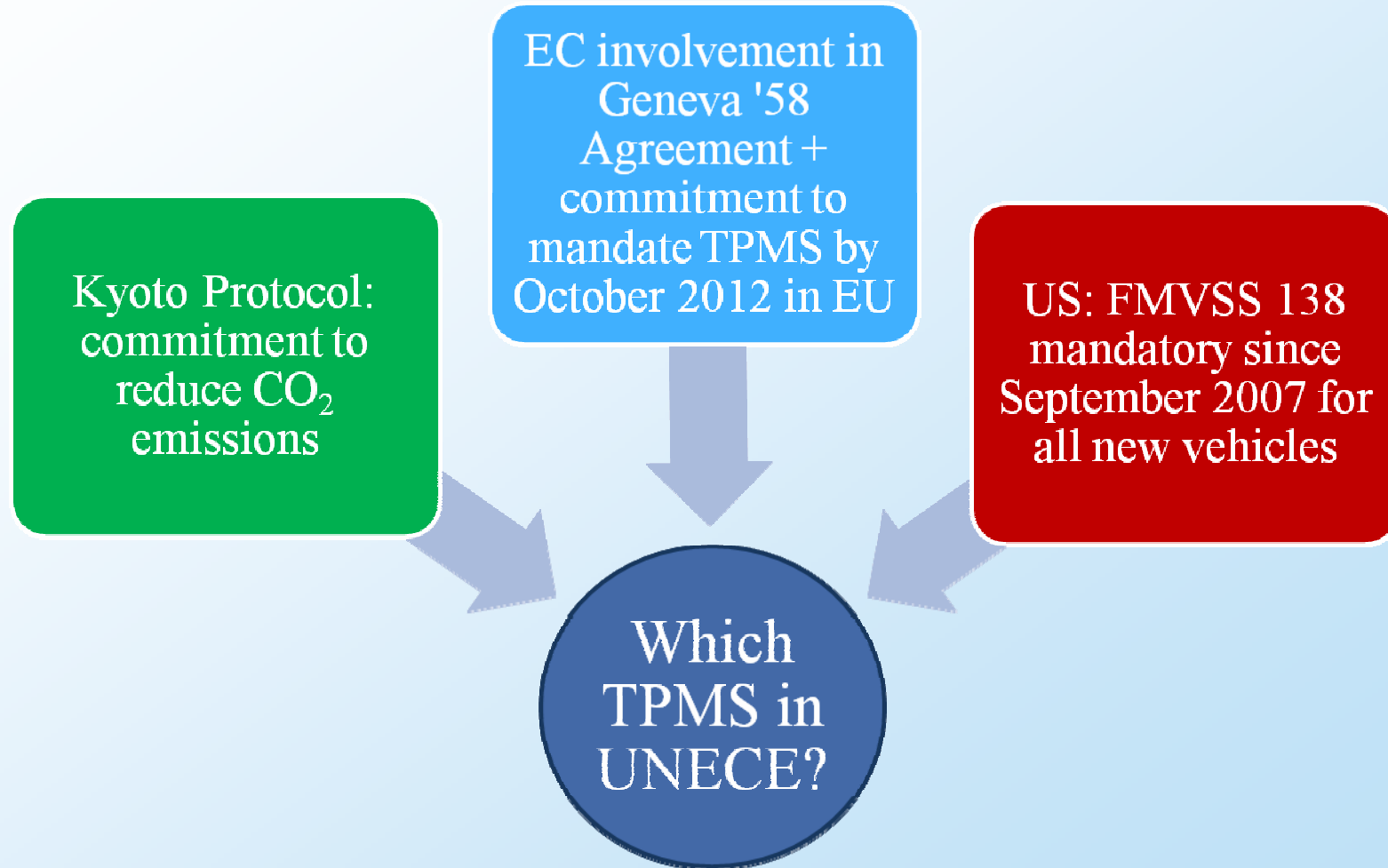


Informal document No. GRRF-64-29  
(64th GRRF, 16-19 September 2008,  
agenda item 8(f))

# TPMS

# OICA POSITION

# Background





# OICA target

Assure user acceptance and system credibility

- By appropriate threshold value and warning delay avoiding false alerts and user complaints

Prevent cost inflation

- Base requirements on performance of current systems
- Economic solutions should be possible
- Follow-up costs for consumers to be considered

Keep technical flexibility

- Do not exclude certain technologies

International Harmonization

- Try to harmonise with existing national regulations



# OICA can support TPMS based on FMVSS138

For harmonization sake

OICA can recommend UNECE TPMS aligned on FMVSS 138

US lab research shows no risk of tyre failure at 25% under-inflation

US real world experience does confirm the above outcomes

US real world data shows  
tyre maintenance is improved  
narrowed distribution of under/over inflation  
slightly improved fuel efficiency

+

Those benefits can be realized in Europe

FMVSS138 is currently sole candidate for a harmonized regulation

# Situation inside UNECE 1958 agreement

FMVSS 138 sole regulation  
in force worldwide:  
Targets tyre integrity  
CO<sub>2</sub> reduction is **side effect**  
Feasibility is proven



## Objectives defined by EC:

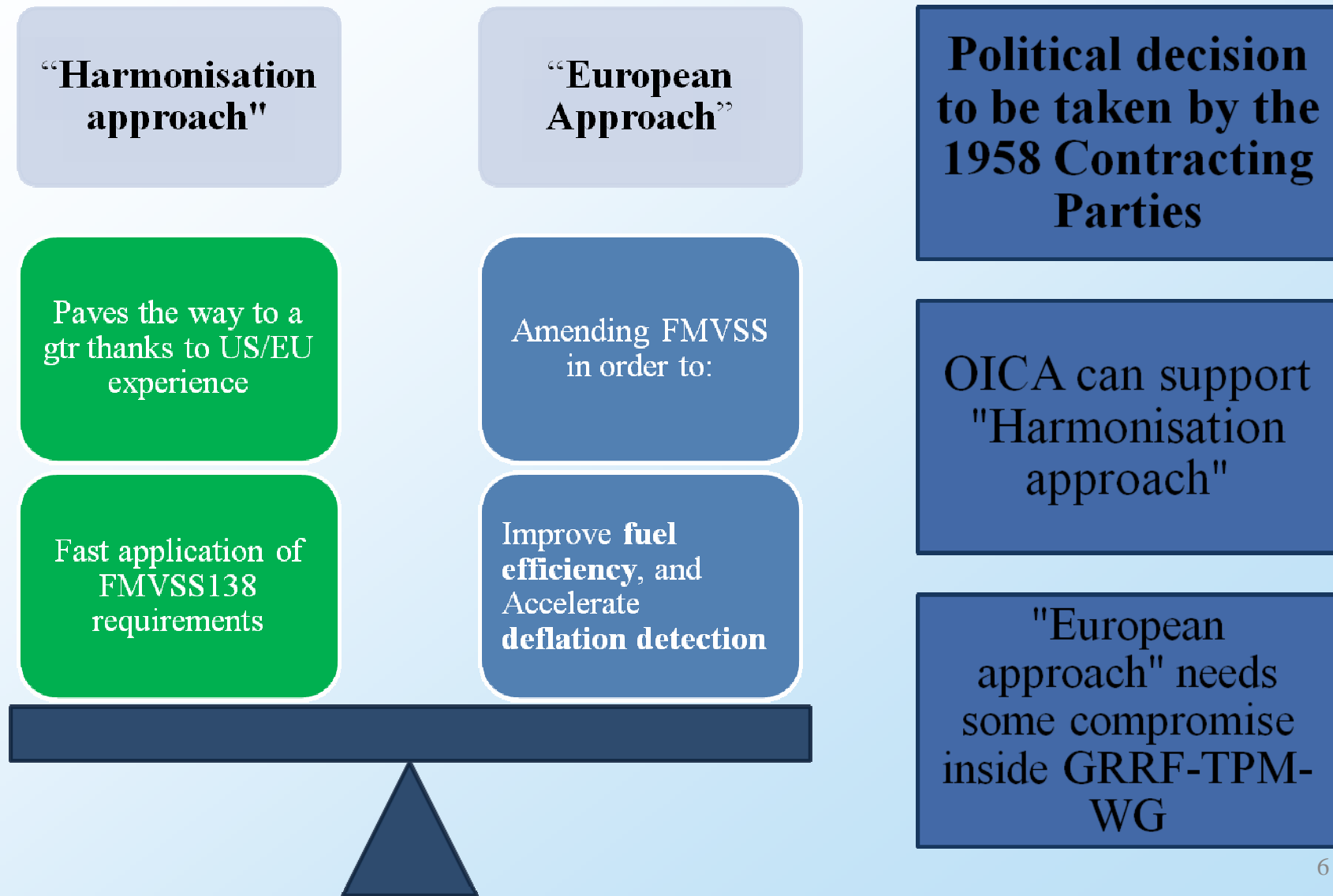
- CO<sub>2</sub> reduction is **main effect**
- Safety in case of quick deflation

**NEED FOR  
POLITICAL  
DECISION ON  
TECHNICAL  
APPROACH\***

**\* 2 possible approaches**

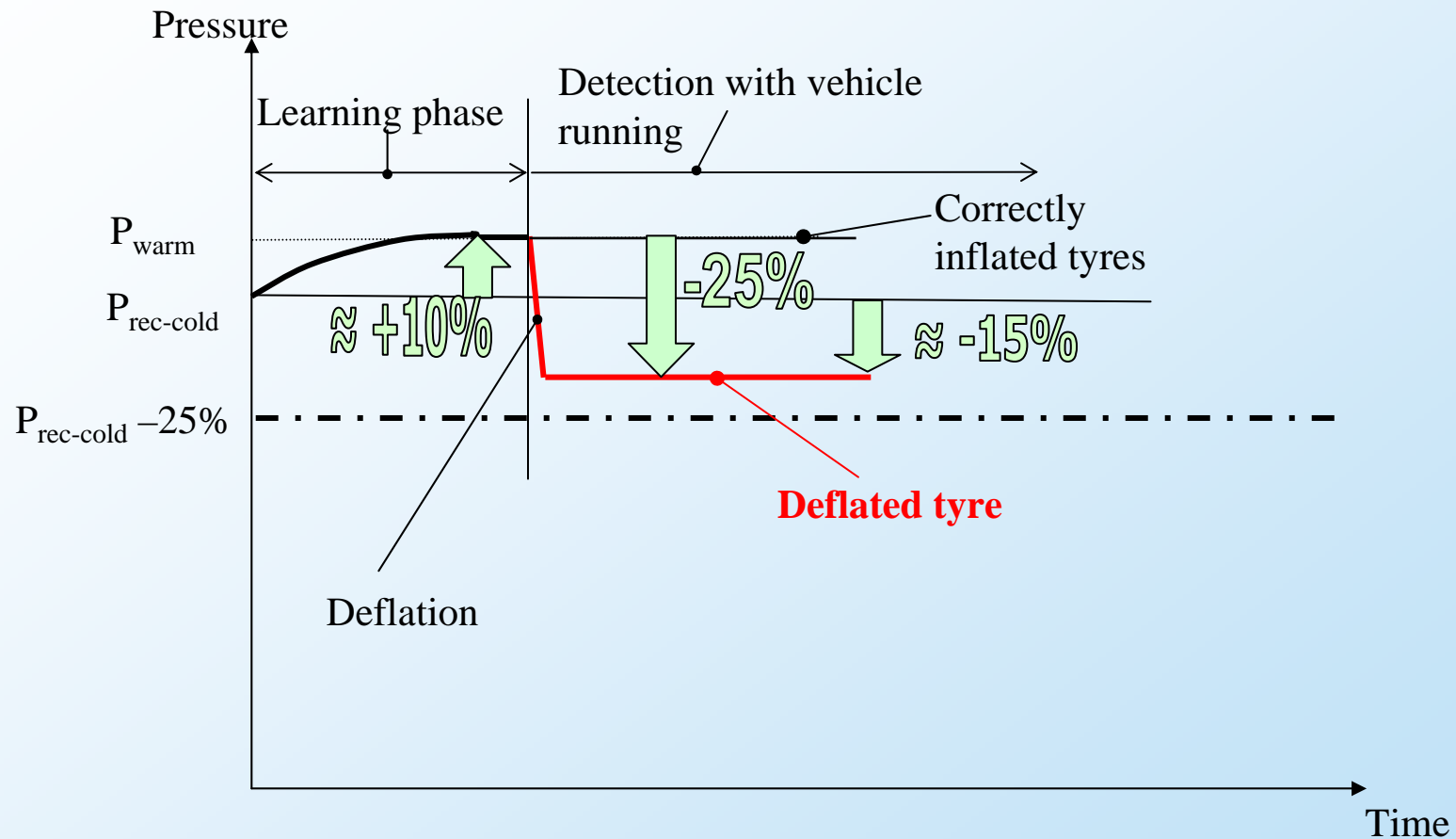


# Situation inside UNECE 1958 agreement

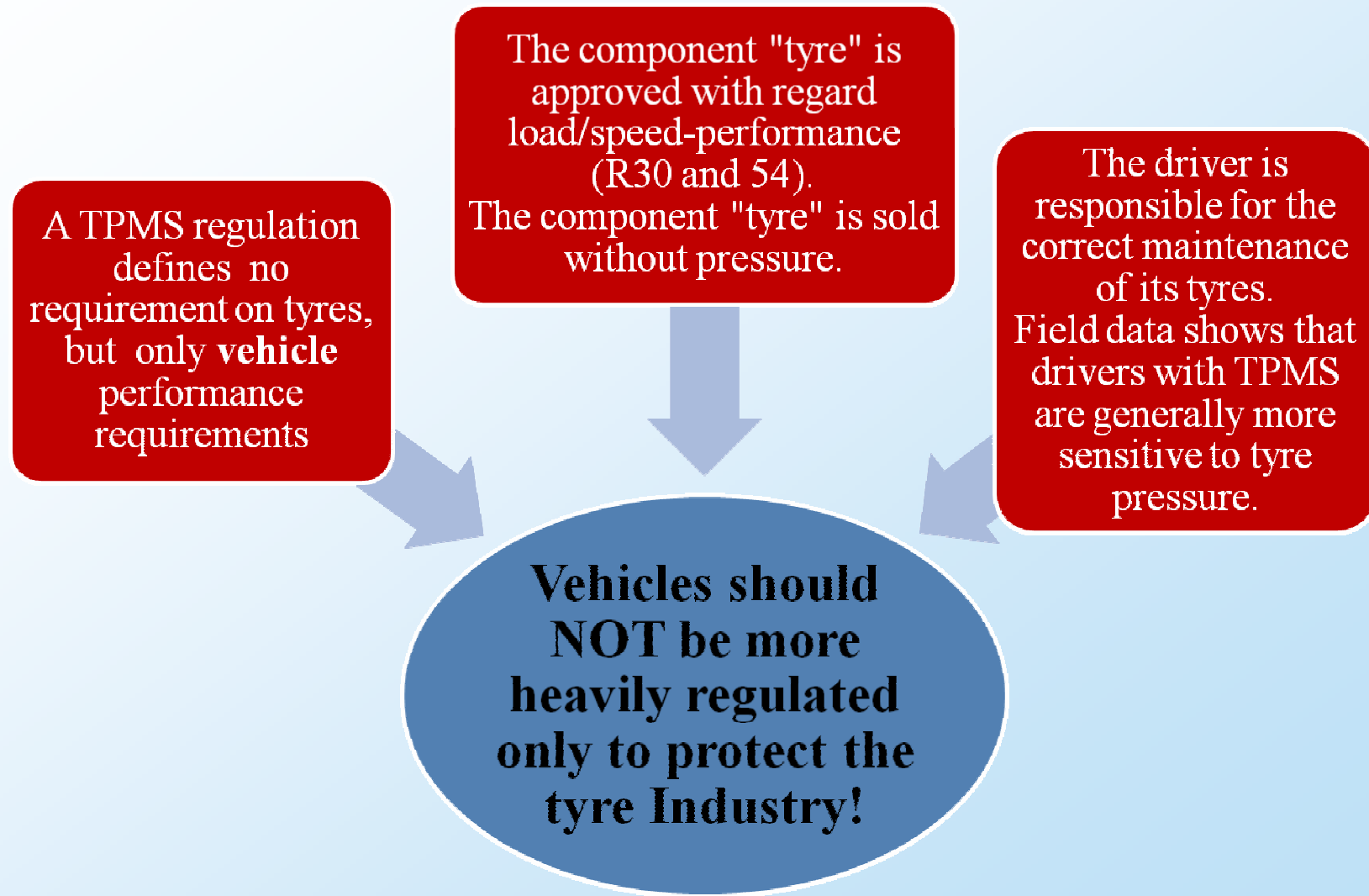




# GRRF-TPM-WG proposal



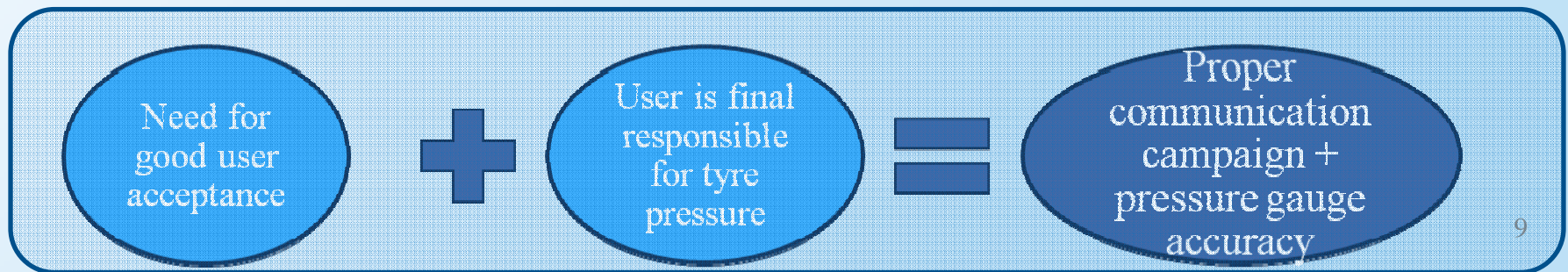
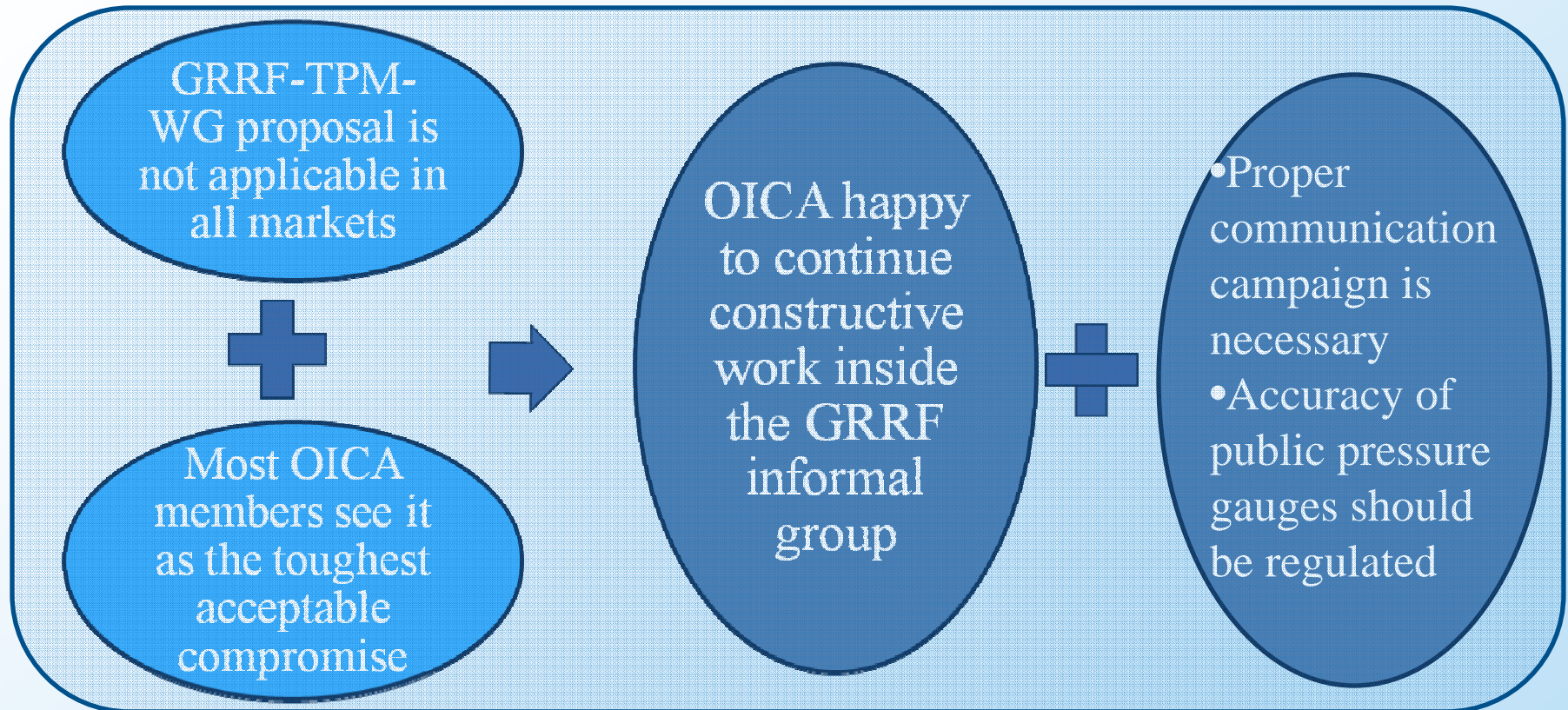
# Relationship TPMS v/s Tyres









# GRRF-TPM-WG proposal is the maximum OICA can accept in "European Approach"




# Annex 1: Example of user acceptance

Fichier Edition Affichage Favoris Outils ? Adresse <http://www.clubtouareg.com/forums/f43/possible-new-procedure-disable-tpms-15985.html> OK

← Précédente → × ↵ Rechercher Favoris Média



Club Touareg Forums > Club Touareg Community > General Touareg Discussion


Possible NEW procedure to disable TPMS

User Name   Remember Me?  
 Password

09-01-2007, 11:03 AM #1

<p><b>TrueSquare</b> New TN User</p> <p>Join Date: Sep 2007 Location: USA Posts: 7 Trader Rating: (0)</p>	<p><b>Disable TPMS</b></p> <p>How can you disable the tire pressure monitoring system? I have new wheels a would rather leave the sensors in the original wheels.</p> <p>2008 Xb</p>
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10-01-2007 #1

<p><b>aircooled</b> Touareg Addicted Admin</p>  <p>Join Date: Dec 2003 Location: Evergreen, CO Posts: 1,387</p>	<p><b>Possible NEW procedure to disable TPMS</b></p> <p>Folks, I stumbled across this possibly juicy bit of information on Vortex today. Some of you wheels geeks may really like this.</p> <p>It comes straight from Uwe, owner of Ross-Tech. The following advice is in reference to a poster that was looking for a way to disable the <b>'not federally mandated'</b> tire pressure monitoring system (TPMS) in his early model <a href="#">Touareg</a>.</p> <p>Can someone that is brave enough try these instructions to see if we can make TPMS go away? I'd try, but I no longer have a TPMS vehicle.</p>
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## Annex 2: Example of Communication

Your vehicle has something new to tell you.

Keeping your automobile's tires

MEET THE  
new symbol

**safercar.gov**

Safercar.gov is the nation's premier source of vehicle safety information from the government, serving the public interest.

Home Defects & Recalls Safe Driving Information Resources  **SEARCH**

### TPMS

**Tire Pressure Monitoring System (TPMS)**

**Q. How does the new Tire Pressure Monitoring System (TPMS) work?**

**A:** Tire pressure monitoring systems continuously monitor the pressure in the tires through sensors located in the tires (direct system) or the use of wheel speed and other vehicle sensors (indirect system). The information collected by the sensors is transmitted to an on-board processor that interprets the sensor signals and warns the driver when tire pressure is below the minimum acceptable level by illuminating a warning lamp.