

Submitted by TF-R46

Informal document GRSG-111-22  
Agenda item 5

# Report

Task Force UNR46 5th Meeting  
OICA Paris, 26-27<sup>th</sup> September 2016

# Summary

- ✓ Background
- ✓ Progress report
- ✓ Next Steps

# Background

- 106th GRSG Session (May 2014)

Establish the Task Force R46 to improve vehicle's indirect vision for preventing of pedestrian accidents

- ✓ 1st Task Force meeting (September 2014, Geneva)
- ✓ 2nd Task Force meeting (May 2015, Geneva)
- ✓ 3rd Task Force meeting (September 2015, Geneva)
- ✓ 4th Task Force meeting (April 2016, Geneva)

- 110th GRSG Session (April 2016)

Japan proposed amendments focusing on 360° vision/detection around the vehicle

- ✓ 5th Task Force meeting (September 2016, Paris)

Japan proposed new requirements focusing on rear vision. This proposal was discussed in the meeting.

## Attendance

- Chair: Mr. Naono (JASIC, Japan)
- Secretary: Mr. Miki (JASIC, Japan)
- UTAC, France
- MLIT, NTSEL, Japan
- OICA

Total: 13 persons

# Report of discussion

## Items discussed at 5th TF-R46

- Reversing vehicles accidents data in Japan (Japan)
- Proposal for amendments to UN R46 (Japan)
- Reversing vehicles accidents data in US(Reference/ Japan)
- Comments to Japan's proposal (OICA)

# Roadmap to the Introduction of Requirements for the View of the Vehicle's Surroundings and the View of Its Close-Proximity Rear

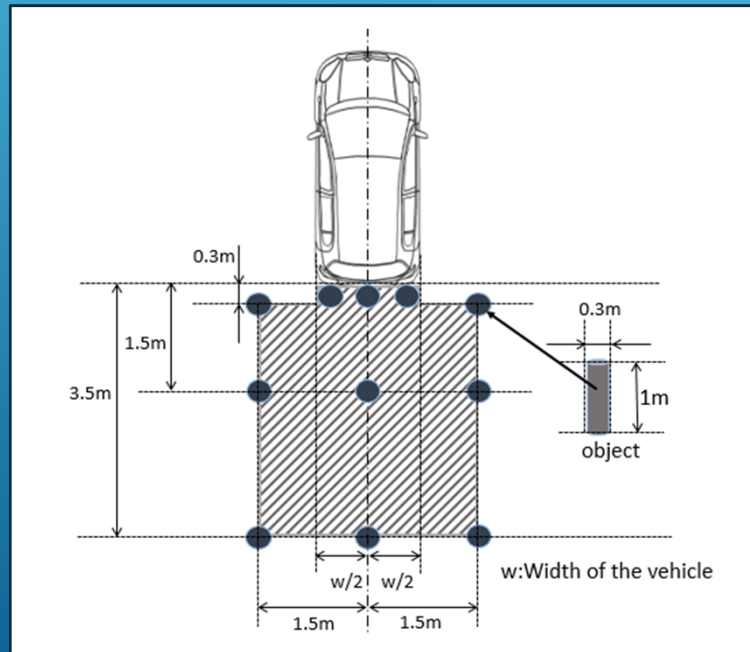
		2016	2017	2018-
<p><u>Requirement for the view of the vehicle's surroundings and rear was proposed.</u></p> <p>↓</p> <p>Requirement divided into: the view of the surroundings and the view of the close-proximity rear</p>		<p>Discussed at TF &amp; GRSG (110<sup>th</sup>)</p>		R46TF-05-10
<p><b>PHASE 1</b> <u>The view of the close-proximity rear to be proposed</u></p>		<p>To be discussed at TF; Informal document to be submitted to GRSG (111<sup>th</sup>)</p>	<p>Working document to be submitted to GRSG (112<sup>th</sup>)</p>	
<p><b>PHASE 2</b> <u>The view of the surroundings to be proposed</u></p>		<p>Applicable vehicle categories, etc. to be verified; To be discussed at TF, as necessary, based on the result of the verification. Proposals or presentations will be submitted to GRSG.</p>		

- Proposal for amendment to R46 【GRSG-111-XX】

## Requirement for the view of the vehicle's close-proximity rear

Purpose: To prevent accidents by enabling the driver to notice any pedestrians around or behind the vehicle.

Requirement: The close-proximity rear-view device shall be such that the driver can detect objects (with a height of 1,000mm and a diameter of 300mm) located within the areas defined in Figure, using a mirror, camera, sonar, etc.



# Main discussion at TF46

TF discussed draft of amendment to R46 proposed by Japan mainly about the following points;

- ✓ Detection means: technology neutral requirements should permit any detection technology
- ✓ Do accident data differ among regions? (Japan, US, Germany, others?)
- ✓ Regulatory approach at GRSG level:
  - “UN R46 amendment” vs “New regulation”? (or other solutions?)
- ✓ Scope (requirements may differ according to the vehicle category)
- ✓ Provisions addressing obstruction
- ✓ Alignment with FMVSS111
- ✓ Test procedure for obstruction proximity of the vehicle



# 1. Asking guidance for TF future work

- ✓ Amendment to R46 or New regulation?
- ✓ Establish an IWG ?

# 2. Question to CPs

- ✓ Will CPs apply provisions on a mandatory basis in their territory, even if there are regional differences in accident data?  
→ It is not a matter of UNR but domestic regulation.  
(refer an approach of UNR34-03)

# 3. Request to CPs on accident data

- ✓ TF is pleased to ask CPs and the other members to provide accident data on reversing vehicles, if existing.

## Next Steps (earliest scenario)

- ✓ 111th GRSG session, October 2016  
Discussion on draft of amendments to UN R46
- ✓ 112th GRSG session, April 2017  
Submission of working document
- ✓ 173rd WP29 session, November 2017  
Submission of working document

Thank you very much for your kind attention