

ECONOMIC COMMISSION FOR EUROPE**INLAND TRANSPORT COMMITTEE**World Forum for Harmonization of Vehicle Regulations (WP.29)Working Party on Lighting and Light-Signalling (GRE)Informal Group on Group on Visibility, Glare and Levelling (VGL)

**Report of the 2nd meeting
of the GRE Informal Working Group on Visibility, Glare and Levelling (VGL)**

**Palais des Nations, Geneva,
Monday, 04th April 2016 from 10:00 to 18:00 in Room S4 (Moroccan Room)**

		Working Documents
1.	Welcome and opening remarks	
Mr.Targosinski opened the meeting welcoming all the participants.		
2.	Introduction of participants and organisations	WGL-02-07
The list of all participants is available in document VGL-02-07.		
3.	Adoption of the agenda	VGL-02-02
The agenda was adopted.		
4.	Adoption of the report of the previous session	VGL-01-07
<p>The report of the previous session was adopted.</p> <p>The Terms of reference built during the 1st meeting of this group has been approved during the 74th session of the GRE in October 2015.</p> <p>The report of the GRE-74, with the Terms of reference of the IWG VGL in Annex 3 of this report, has been approved during the 168th session of the WP29 in March 2016.</p>		
5.	Synthesis of causes with potential impact on visibility and glare	VGL-02-03 VGL-02-06
<p><u>VGL-02-03 – Draft of Synthesis of causes impacting Visibility and Glare:</u> The chair of this session presented the document VGL-02-03.</p> <p><u>VGL-02-06 – UK Thoughts on Glare :</u> Mr.Bailey presented the documents from UK. Below the cut-off there are a lot of requirements describing everything but above the cut-off, it seems some areas are not well defined. He points out that glare is not necessary cause of accidents but does affect other drivers' complaints. For the time being we do not know what is important or not. We need to understand what has an influence or not on the visibility and the glare, and, how much influences. So we have to collect what causes glare and define priorities. Main topics discussed during the meeting:</p> <ul style="list-style-type: none"> - Initial aiming of the headlamps - For traffic safety, we must have a good beam for the headlamps - Driving/human behaviour (driver education) has to be taken into account - All problem of traffic safety cannot be solved by technical issue but can solve a part of them - All issues are not for high beam, they are more general - ADB and automatic switching should be added as well as the cleaning device - We need to understand why some people complaint of the type of light sources - Categories of vehicles: In the terms of reference, only for categories M and N of the regulation UNECE R48 – not for L and T categories - to be confirmed with the GRE <p>According to the discussions, a revised version of this document was developed and agreed by the group → See document VGL-02-03 Rev.1 with modifications in red → Cleaned version of this document is available as document VGL-02-08.</p>		

6.	Development of a Working Program from the terms of reference	GRE-74-21-Rev.1/VGL-02-01 VGL-02-04
<p>Discussions on how to continue?</p> <ul style="list-style-type: none"> - From the current technical proposals (OICA/GTB and Polish)? - Taking into account the current studies (LAB French, German, Klettwitz)? - Solution should be practicable for type-approval - Not only focusing on R48? - Type-Approval to be taken into account → + PTI? - Focus on what we can solve - Be opened and determined what are the possibilities for glare <p>Document VGL-02-04 was presented as frame. The actions have to be detailed.</p> <p>Conclusions of the chair: this topic will be presented to the next GRE for having their guidelines.</p>		
7.	Review and assess of known researches and existing data	VGL-02-05
<p>The table of the Document VGL-02-05 was presented.</p> <p>Several documents of this table have been presented several times in different types of meetings (GTB, GRE, WGFL, ...). So we have different numbering for same documents. The last versions are in cells in 'blue'.</p> <p>This table has to be finished.</p>		
8.	Other topics <ul style="list-style-type: none"> - <i>Headlamps beam pattern features and expectations</i> - <i>Determine the costs and benefits</i> - <i>Additional topics to be taken into account according to the discussions</i> - <i>New input (if any)</i> 	
No discussion. To be followed according to the previous points.		
9.	Drafting provisional proposal of amendment of Regulation 48 and headlamp Regulation(s)	
No discussion. To be followed according to the previous points.		
10.	Next steps	
The participants decided to present the status of the group to the GRE-75 → See document prepared by Mr.Targosinski as informal document GRE-75-17 (VGL-02-09 not available for this meeting)		
11.	Home works	
To be followed according to the next GRE.		
12.	Any Other Business	
<p>Information by Karl Manz of the current situation with the withdrawn of Germany as chair of this group:</p> <p>During last TCMV to prepare the WP29 session in March 2016, there were discussions for the mega decision on the proposal adopted by the GRE-74 to delete the mandatory use of automatic levelling for LED.</p> <p>The only possibility for Germany was either to accept the decision or oppose the decision. They decide to abstain. Germany do not see any more the need for IWG VGL and also decided not to participate in this group.</p>		
13.	Next meeting(s)	
<p>Doodle to be proposed + location to be defined.</p> <p>If possible, try to combine the next meeting with other Lighting meetings.</p>		
14.	Closure	
Mr.Targosinski thanked all participants for their fruitful contribution and closed the meeting.		

Working documents listed in the agenda are available via the INTERNET:
<https://www2.unece.org/wiki/pages/viewpage.action?pageId=26903055>