

Outcome of 2nd session of the IWG VGL

April 04, 2016 in Geneva

Introduction

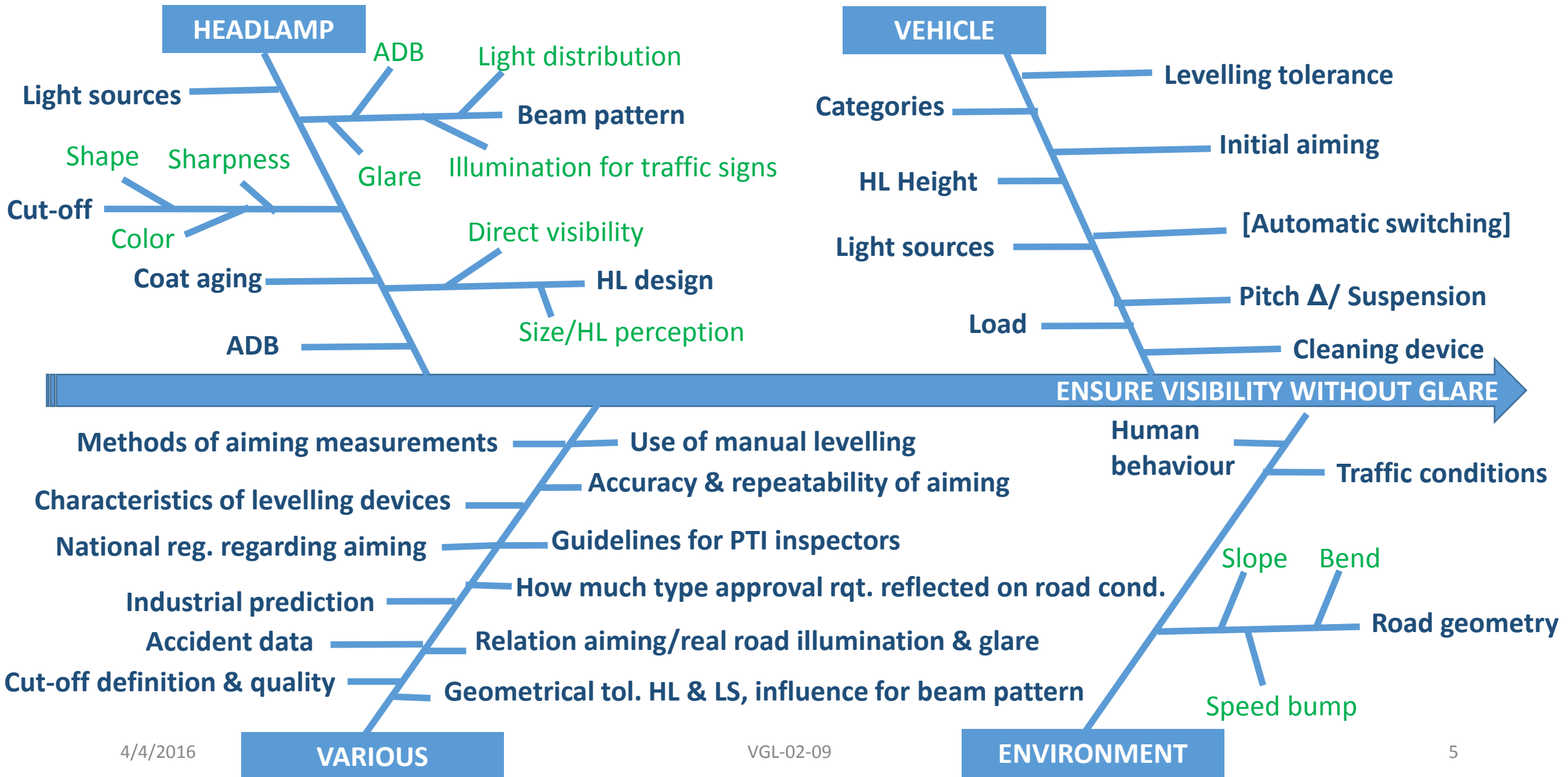
- Situation with visibility and glare is not satisfactory in real road conditions
- Partial responsibility for this situation has present type approval system:
 - Provisions for beam patterns of headlamps
 - Provisions for initial aiming & levelling conditions
 - Requirements restricted to **type approval** process
- To improve situation was decided mandatory automatic levelling for every vehicle (90 month transitional provisions) – old but simple solution
- GTB took the task to prepare alternative solution

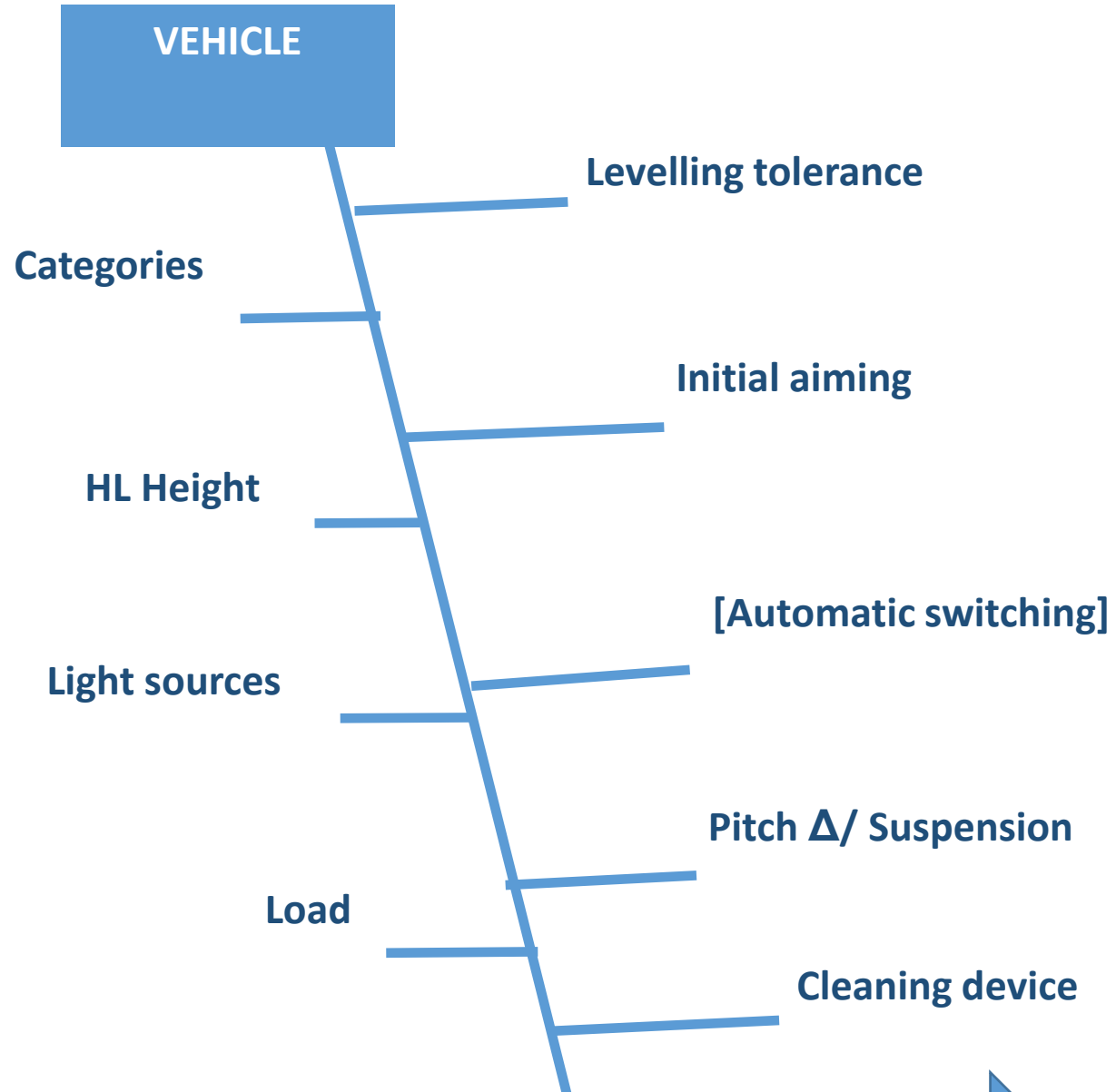
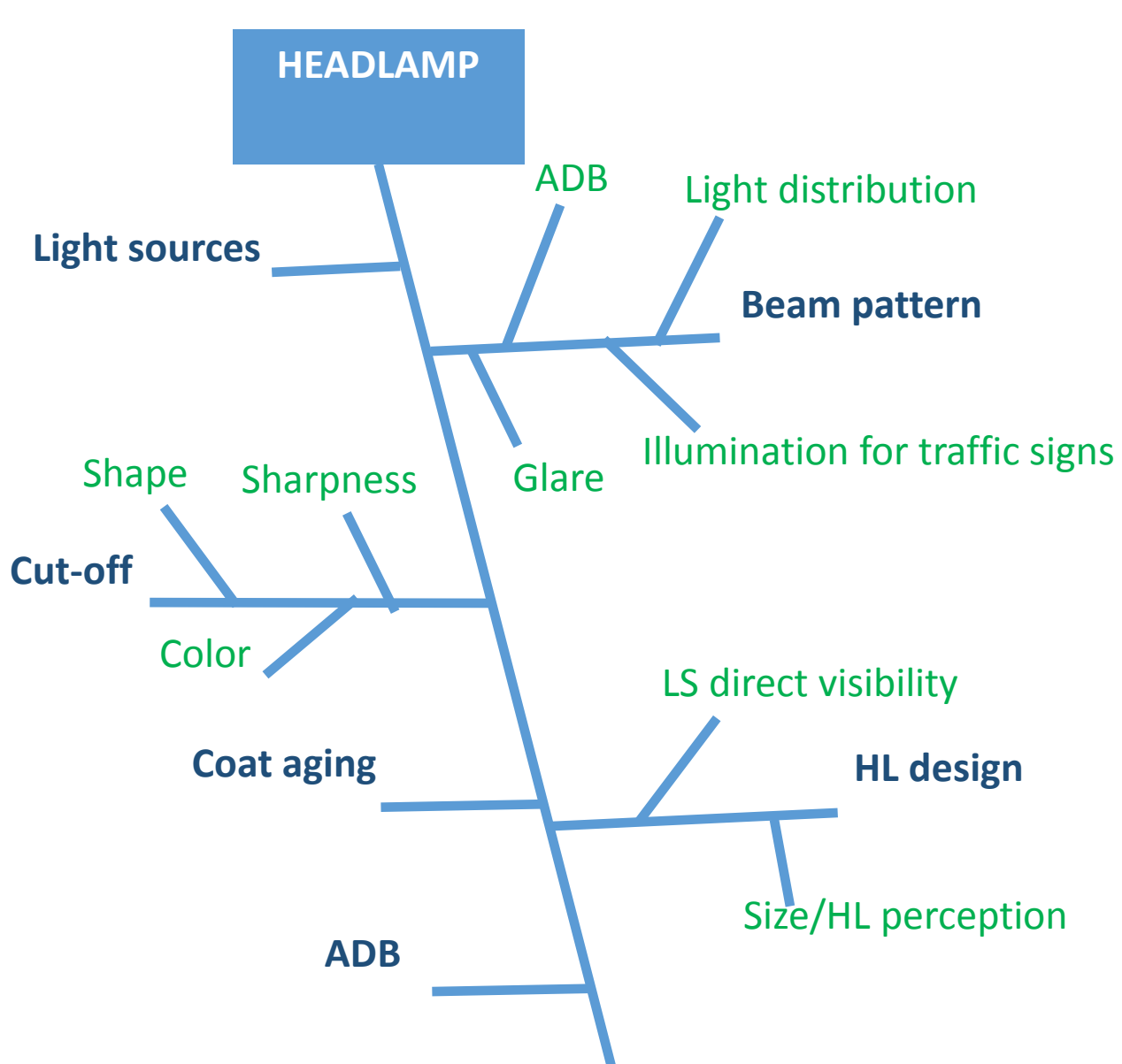
- Result of 4 years of GTB work (GTB & OICA Proposal) was not accepted by GRE
- Poland proposed improvement of it but it was not considered by GRE
- IWG VGL was appointed to find acceptable solution on base performance
- IWG VGL prepared ToR which were accepted
- Long and versatile general discussion was carried out on 1-st meeting
- Germany resigned from (co) chair IWG
- Poland undertook to continue chair the group

On 2-nd meeting 04.04.2016 took place discussion to select possible causes influencing visibility and glare in night driving conditions without another illumination.

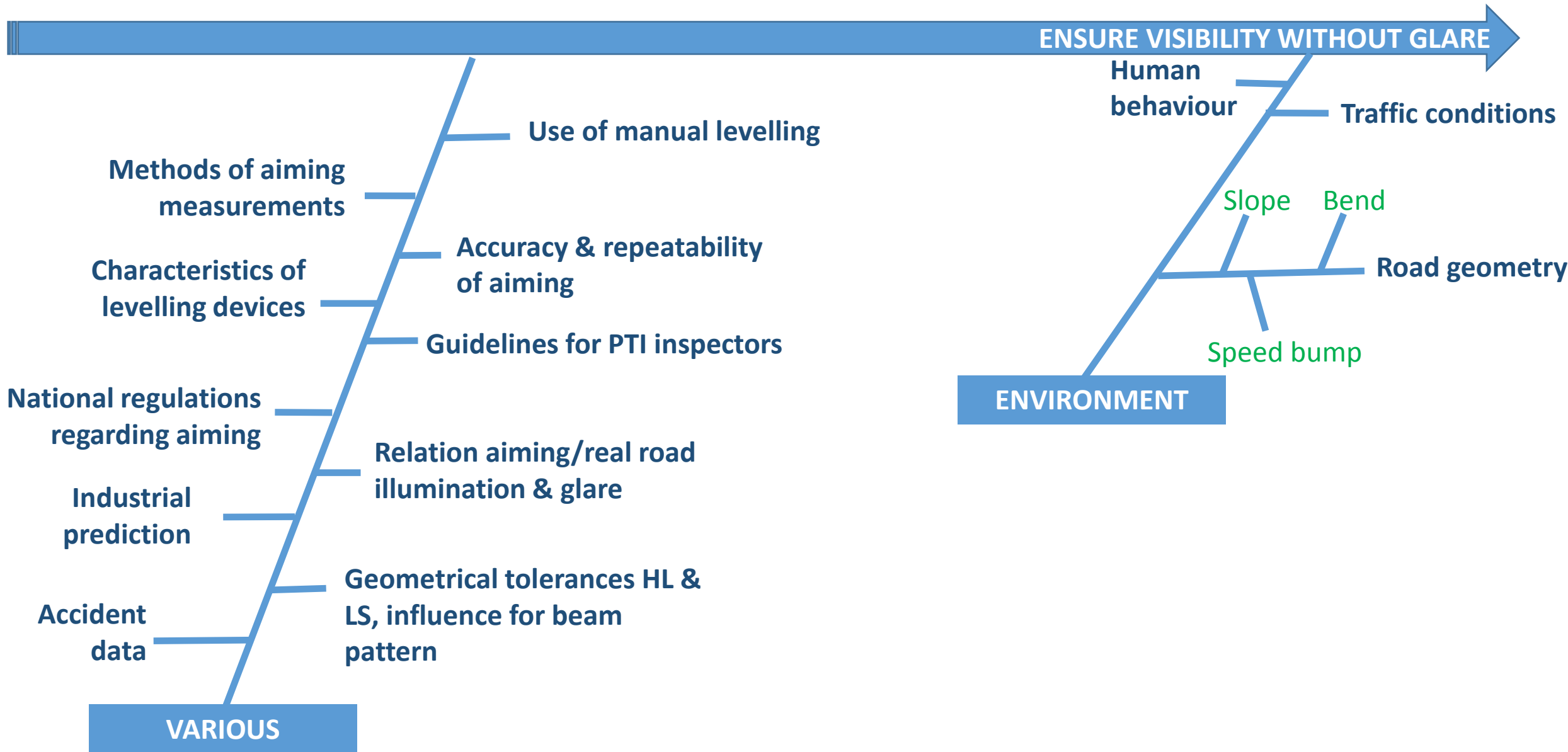
- List of causes with potential impact on visibility & Glare **VGL-02-08**
- It is needed to understand what has an influence (or not) on visibility & glare, and how important is this influence
- Two kind of causes influencing visibility and glare:
 - **Type approval regulated**: HEADLAMP, VEHICLE
 - **Other**: temporary classified as ENVIRONMENT and VARIOUS (in-use, service tolerances, PTI requirements etc.)

SYNTHESIS OF DIFFERENT TOPICS TO BE TAKEN INTO ACCOUNT FOR VISIBILITY & GLARE





ENSURE VISIBILITY WITHOUT GLARE



- We need to select what has an influence on visibility & glare, and how much influence

How to do it? Who should do the work? Time frame?

- It is proposed to vote inside group (or inside GRE?)
- Vote **for/against** (that item is important for safety)? Justification/evidence required
- Who is voting „**for**” should be ready to prepare input

- Choice of categories of vehicles
 - M & N
 - L? T?

- What is the status of documents in GRE:
 - ECE/TRANS/WP.29/GRE/2011/27 - mandatory automatic levelling, 90 month TP
 - ECE/TRANS/WP.29/GRE/2015/5 - GTB and OICA Proposal
 - GRE-73-18 - Polish improvement of GRE/2015/5
- How to continue? (there is no one clear position inside the group)
 - First analyse GTB/OICA & Polish proposal?
 - From existing data (Klettwitz tests, Lab study, German study, AML study, TUD study, GTB literature study, etc.)? Are they representative?
 - Order new research? (Time, resources)

IWG VGL needs GRE guidelines...

Thank you for attention