BSIS (UN reg. 151)
Clarification on long TTCs, temporary sensor blockage and calibration
Proposal

Similar to limitation of the FoV (30m to the rear and 7m to the front) we propose to limit the TTC. The value must be decided within the VRU Proxy group. Example: “Information signal shall be provided, at least, when a potential collision with cyclist is less than 9s TTC”
TEMPORARY SENSOR BLOCKAGE

There are some vehicle configurations for which BSIS may not work correctly (because of the vehicle body, the vehicle use...). Examples are snowplows, road sweeping or garbage collection vehicles, buses with doors opening to the outside, ...

Proposal
Exempt vehicles...

• where auxiliary equipment for on-road use is in operation that is incompatible with the blind spot information system, subject to the decision of the Type Approval Authority.
• which are not ready to drive off.

Justification
There are some vehicle configurations for which BSIS may not work correctly (because of the vehicle body, the vehicle use...). As we do not want to exempt these vehicles as in some UN regulations (UN-R58, UN-R73, UN-R151, UN-159...), we propose to allow these vehicles to not fulfil the requirements of the blind spot information system as long as they are not ready to drive off or during operation of incompatible auxiliary equipment if it is agreed by the Type Approval Authority.
Pre-Test Conditioning

In contradiction to other regulations, the BSIS regulation does not allow a pre-test conditioning.

E.g. MOIS regulation:

6.3.3. Pre-Test Conditioning

6.3.3.1 If requested by the vehicle manufacturer, the subject vehicle may be driven a maximum of 100 km on a mixture of urban and rural roads with other traffic and roadside furniture to initialise the sensor system.

Proposal

Introduce same pre-test conditioning requirements for BSIS regulation.

Justification

The blind spot information system must detect bicycles up to 30m. For such long distances a good alignment of the system is needed to evaluate the information signal conditions properly.
Thank you!