

Open issues regarding “in-use”

ELSA-8-3

Where	What	Who
Whole document	<ul style="list-style-type: none"> • Where does the USA need an explanation or justification for their rule making process regarding the implementation of the GTR for hydrogen vehicles in the USA? • No justifications for the requirements are provided - It is difficult to make an assessment of the relevance of the requirements without review of the justification document. <p>Status: As soon as a complete list is available OICA will provide the necessary justification.</p>	USA / OICA open
3-1	<p>A generic analysis to ensure that all possible failure modes and scenarios are taken into consideration is necessary.</p> <p>Status: It has to be decided who will conduct the generic analysis.</p>	All/ open
3-2	<p>“Protection against indirect contact”: design restrictive - It is written for type approval.</p> <p>Status: The paragraph has to be amended in a way that the requirements are acceptable for type approval and self-certification.</p>	All / open
3-2-2	<p>A test procedure is needed.</p> <p>Status: It has to be decided whether a test procedure is necessary. If yes, who has to define the procedure?</p>	All/ open
3-3-1	<p>What does “galvanically isolated” mean? Is a definition needed or is it the same as “galvanically connected?”</p> <p>Status: Questions have to be answered by OICA</p>	OICA/ open
3-3-2 ; 2 nd paragraph	<p>What is the justification of requiring 100 ohm/volt for AC buses? How would one determine how much insulation was used by the manufacturer? How would we conduct compliance test? Looks like these requirements are designed for type approval. Don't think we could regulate this.</p> <p>Status: Justification has to be delivered by OICA</p>	OICA / open

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Where	What	Who
4-1	What is excessive overheating? 150 degrees? Does this coincide with Lithium Ion battery thermal runaway temperatures? What is the justification? Status: Justification has to be delivered by OICA	OICA / open

The following two issues are solved in between:

Where	What	Who
3-3-1 & 3-3-2	Study reservation from USA regarding the 100 ohms/Volt and 500 ohms/Volt thresholds Status: The rule making process to amend FMVSS 305 is finalized. The two thresholds are also in there.	USA / done
3-3-2	USA needs from OICA an explanation why a protection degree of IPXXB justifies an reduction of the isolation resistance to 100 ohms/volt Status: The issue here is the same as under “3-3-2; 2 nd paragraph” above in the table.	OICA/ done