Dear Bolennarth

I think this new annex 8 will be helpful

You change motor vehicle to towing and trailer to towed vehicle. This is a nice initiative.

You might add definition for $U$ in paragraph 2.1

$U$ fifth wheel imposed vertical mass in tonnes

In §4 the simple trade off diagram is correct if you consider $S_{req}=S_{cert}=1000$ kg which will be the general use.

In §6 for special application, you introduce rigid drawbar trailer ($S=4000$ kg) and probably you will use ISO12357 ($S$ up to 2000kg) then trade off simple diagram shall not be used.

Best regards

Didier Turlier
Dear Didier,

I attach a document with a proposal for a new structure with an annex 8 in the R55.

The xx document is a document where the trade-off procedure has been reduced and simplified to a diagram to be included in the user's manual. In that document I have also included at the end some lines illustrating how more limiting applications could be incorporated in the regulation.

The main theme is to have the base regulation to give the details about how to install and how to verify the performance capacity of the coupling equipment. Then Annex 8 specify how the performance requirement in different applications shall be calculated in order for the performance capacity to be applicable.

Personally I like this approach very much as it gives some level of distinction between what is the performance capacity of the equipment and what is the performance requirement of the actual application.

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[http://vbg.episerverhotell.net/Documents/Documents/VBG_GROUP_textlogo.jpg]

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