

<Annex 4> ITEMS need to be improved

Section	ITEMS	concern	possible solution	justification
3.	General requirements			
	The manufacturer shall be responsible for the accuracy of the road load coefficients	how to ensure ?	provide either 1. maintenance history (maintenance interval shall be defined at the same time) 2. master piece check	concrete requirement shall ensure the fair and accurate results
	and will ensure this for each production vehicle within the road load family. At the request of the responsible authority, the accuracy of the road load coefficients of an individual vehicle shall be demonstrated.	Practically impossible since no individual vehicle exist physically.	ISC is only solution. shall be handled under the ISC TF	avoid inappropriate flexibility
3.2.	Wind tunnel criteria	no requirement of maintenance interval	set Yearly (and major maintenance), Monthly and weekly maintenance per item or demonstration vehicle check per month	once facility is approved, out of control in next two years
3.3.	new	ambiguous on measurement points when using wind tunnel	please refere appendix	make a gtr more robust
4.1.1.1.1 4.1.1.1.2.	Permissible wind conditions	No wind speed condition criteria for "vector component of the wind speed across the test road."	In addition, the vector component of the <u>average</u> wind speed across the test road over a <u>period of 5 seconds</u> shall be less than 2 m/s."	make a gtr more robust
4.2.1.7.	Test vehicle configuration	no clear description of weight balance between front and rear wheel	set weight to match manufacture configulation on both front and rear wheel	avoid inappropriate flexibility
4.2.2.1.	Tyre selection (RRC determination for tyre categories)		please refer appendix	eliminate inappropriate technical accuracy
6.2.4.	cycle energy over a complete Class 3 WLTC	cycle energy affect (L<M<H<ex-H) may mislead the equivalency of wind tunnel method. (e.g. ++@ex-H, -@L/M/H, then 3phases test)	threshold shall be applied to each phase	avoid inappropriate flexibility
6.4.1.	repeatability of 0.015 m	no requirement of # of tests	set at least 3 tests per point	ensure repeatability
6.4.2.	The result shall be the arithmetic average of the drag	not clear for calculation formula	define the formula (or refer ISO)	
6.5.1.	Flat belt criteria	criteria ? how to ensure the accuracy	set Yearly (and major maintenance), Monthly and weekly maintenance per item or demonstration vehicle check per month	once facility is approved, out of control in next two years
6.6.1.	Chassis dynamometer criteria	well defined in Annex 5	demonstration vehicle check per month	