

MINUTES

2nd meeting of the Task Force for the implementation of Q UN-Dummies into M.R.1

6th July 2021 – MS Teams

1. Welcome – roll call

Chair: B. Lorenz (Germany/BAST)

Secretariat: D. Visvikis (CLEPA/CYBEX)

Participants: See Appendix 1

2. Approval of agenda

The agenda was adopted by the participants with no additions.

3. Review of minutes from the 1st session

The minutes were approved without changes.

4. Information/discussion

Mr Lorenz (Chair, Germany) explained there was not much to report following the previous meeting. Mr Visvikis (Secretary, CLEPA) noted that an area on the UNECE website has been created for Task Force documents that are not subject to copyright. It can be found with the following link: <https://wiki.unece.org/pages/viewpage.action?pageId=128419423>. Mr Lorenz added that he is still exploring options for a separate file area where dummy drawings and other documentation not in the public domain can be shared amongst the Task Force.

A short discussion followed on the current status of the Q-Series drawings. Mr Burleigh (Humanetics) confirmed that the drawings were frozen in 2004 and these remain the basis for building the dummies today. Mr Lorenz concluded that these drawings should be the starting point for the Task Force and asked Humanetics to make them available to the group.

Mr Janssen (TASS) informed the group that he had carried out an initial review of the Q0 drawings to get a feel for the work at hand. He explained that some trade names and/or logos are visible in the drawings. Mr Burleigh added that he had started looking at the dummy manuals, where similar issues were observed, particularly with respect to load cells and other instrumentation.

Mr Lemmen (Cellbond) explained that the moment of inertia is not currently specified, but may be an important parameter for the Q-Series certification equipment. Following a short discussion, it was concluded that Cellbond and Humanetics should meet to discuss the certification equipment in more depth, particularly in light of work being done by Cellbond to support regulatory activities in China.

Contribution of TF members

Mr Lorenz reminded the Task Force members that a sub-group has been established to undertake the detailed work needed to prepare an amendment to M.R.1. He asked for further volunteers to help spread the workload, which involves checking the dummy drawings and documentation, possibly in combination with a physical inspection of a dummy. The following Task Force members currently participate in the sub-group:

- Mr Burleigh (Humanetics)
- Mr Janssen (TASS)
- Mr Kinsky (Humanetics)
- Mr Lemmen (Cellbond)
- Mr Pitcher (CLEPA/Britax)
- Ms Schnottale (Germany/BASt)
- Mr Visvikis (CLEPA/CYBEX)

It was agreed that Ms Le Claire (CLEPA/Newell Brands) would join the sub-group.

5. AOB

No other business was discussed.

6. Summary of meeting/actions

The following actions were noted:

- Mr Lorenz will investigate options for a Task Force website or file-sharing platform;
- The sub-group members will meet to discuss the breakdown of their work;
- Cellbond and Humanetics to meet to discuss a generic specification for the Q-Series certification equipment.

7. Next meeting(s)

The 3rd meeting of the Task Force will take place on Tuesday 26th October at 12.00 – 13.30 (CET).

Appendix 1 – Attendance list

Name	Affiliation	Email
Bernd Lorenz (Chair)	Germany/BASt	lorenz@bast.de
Dinos Visvikis (Secretary)	CLEPA/CYBEX	costandinos.visikis@cybex-online.com
Mark Burleigh	Humanetics	mburleigh@humanetics.eu
Britta Schnottale	BASt	schnottale@bast.de
Mary Versailles	US/NHTSA	mary.versaille@dot.gov
Yoshinori Tanaka	Japan/NTSEL	y-tanaka@ntsel.go.jp
Karsten Hallbauer	CLEPA/Joyson Safety	karsten.hallbauer@joysonsafety.com
Paul Lemmen	Cellbond	paul.lemmen@cellbond
Irina Dausse	OICA/Renault	irina.dausse@renault.com
Farid Bendjellal	CLEPA/Britax	farid.bendjellal@britax.com
Jean-Philippe Lepretre	France/UTAC	jean-philippe.lepretre@utacceram.com
Tim Janssen	TASS	tim.janssen@tassinternational.com
Mark Pitcher	CLEPA/Britax	mark.pitcher@britax.com
Thomas Kinsky	Humanetics	tkinsky@humanetics.eu
Marianne Le Claire	CLEPA/Newell Brands	marianne.leclair@newellco.com
Eva Walkhed	OICA/Volvo	ewalkhed@volvocars.com
Bjoern Hohage	OICA/Audi	bjoern.hohage@audi.de
Sebastian Weber	OICA/Audi	sebastian.weber@audi.de
Jason Stammen	US/NHTSA	jason.stammen@dot.gov

Appendix 2 – Reference material

Author	Date	Title and source
Wismans et al.	2008	Q-dummies report (EEVC Doc. No. 514) Please contact Mr Visvikis.
Waagmeester, K	2008	Q-dummies update in 2004 (CRS-4-2) Available to download here .
Hynd, D	2013	Q-Series dummy family specification assessment – Q3 (CPR 1665) Please contact Mr Visvikis.
Giles, N et al.	2015	Q-Series dummy family specification assessment – Q6 (CPR2142) Available to download here .
Giles, N et al.	2015	Q-Series dummy family specification assessment – Q10 (CPR2141) Available to download here .
Wismans et al.	2015	Q10 dummy report – Front impact (EEVC Doc. No. 642) Please contact Mr Visvikis.
Wismans et al.	2015	Q10 dummy in lateral impact report (EEVC Doc. No. 646) Please contact Mr Visvikis