

# MINUTES

## 1<sup>st</sup> meeting of the Task Force for the implementation of Q UN-Dummies into M.R.1

6<sup>th</sup> May 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. Information/discussion

#### Formal aspects

#### *UN copyright policy*

Mr Gianotti (UNECE) introduced a new policy from the UN Office of Legal Affairs that is intended to protect the UN from legal action relating to copyright infringement. From this point forwards, documents and presentations uploaded to a UN website must be accompanied by a signed letter declaring that no copyright or other intellectual property rights have been violated. Mr Gianotti shared a letter template created specifically for this Task Force and asked that it be used by all members (TF-QUN-1-02e). He acknowledged the impact it might have on the work of the Task Force, but noted the new policy is mandatory across all of the UN subsidiary bodies and working groups.

Mr Kinsky (Humanetics) and Ms Le Claire (CLEPA/Newell Brands) asked who is responsible for signing the letter, given they are representatives of their companies only, without power of attorney, and not necessarily the sole author or owner of any information submitted to the Task Force. Mr Gianotti suggested the letter could be signed by someone else within their companies with such legal responsibilities. He also suggested that documents could be combined in a single letter (indicating the numbering of the documents/presentations submitted) to save time and also reminded the group that the policy affects documents that are uploaded to a UN web site only. Documents that are shared by other means (e.g. email, or another website or file server) are not covered by the policy.

A short discussion followed on the nature of the documents likely to be generated by the Task Force and how they might be exchanged between members to allow them to undertake the work. Several Task Force members proposed solutions. In summary, three main document types were identified:

- **Task Force reporting (e.g. agendas, minutes, etc.):** The letter is not needed, provided no additional information subject to copyright is included in the document.
- **Published material (e.g. reports, presentations, standards, etc.):** The letter is needed, even in the case of material already freely available on-line. A list of reference material with web-links will be provided at the end of each meeting minutes (see Appendix 2), at least until a Task Force website or file-sharing platform is activated outside of the UN structures.
- **Dummy drawings and other documentation not in the public domain:** The letter is needed, at least until a Task Force website or file-sharing platform is activated.

#### *Addendum 4 of Mutual Resolution No. 1 (M.R.1)*

Mr Lorenz (Chair, Germany) noted that Addendum 4 of M.R.1 has been reserved by the UN for the Q-Series dummies. He asked Mr Gianotti whether all dummies within the Q-Series should be added within sub-parts of Addendum 4 or whether a separate Addendum is needed for each dummy. Mr Gianotti replied that either option would be fine, but acknowledged that sub-parts might be easier.

#### Scope of the Task Force

Mr Lorenz explained that M.R.1 defines test tools for use in a UN regulatory context. Consumer organisations also use Q-Series dummies in their vehicle test and assessment protocols, but not necessarily the same versions. Although the smaller dummies may not present too many issues, complications may arise for the Q10 where certain upgrade kits are specified for consumer testing. Although no decisions need to be made at this meeting, Mr Lorenz asked the Task Force members to keep regulation in mind, specifically UN Regulation No. 129.

Ms Versailles (US) noted that M.R.1 is a repository of tools for use in UN Regulations, but also in UN Global Technical Regulations (GTRs). Although there is currently no GTR for child restraint systems, she asked the Task Force to keep this in mind, particularly as this is the reason the US is “listening in”. Mr Lorenz agreed.

In summary of the discussion, Mr Lorenz noted that the Q-Series has been used in UN Regulation No. 129 for some time. Modifications have been made to improve the durability of the dummy or to comply with new regulations on the use of chemical substances. It is unclear, therefore, whether the dummy in use today is at the same stage as that when the regulation was introduced. The main aim of the Task Force will be to define the Q-Series for use in UN Regulation No. 129, but consideration can also be given to harmonising the dummy across both regulatory and consumer testing.

#### Overview of existing documents

Mr Lorenz explained that addenda to the M.R.1 typically comprise a general description of the dummy design and its assembly and disassembly, engineering drawings and certification procedures. These will need to be in place for each dummy in the Q-Series and support of dummy manufacturers is essential. He asked each Q-Series manufacturer whether they produce the whole family. Mr Burleigh (Humanetics) replied that Humanetics offers the full Q-Series family. Mr Lemmen (Cellbond) replied that Cellbond offers the Q0, Q3, Q6 and Q10. The remaining dummies will be offered in the future.

Mr Lorenz asked the manufacturers if they are happy to share all details of the dummies. Mr Burleigh noted that all Q-Series dummies are specified for use in Regulation No. 129 and the drawings are already public on the UN website<sup>1</sup>. He noted that the borders of the drawings need to change as well as some other aspects of the way they are presented.

Mr Visvikis (Secretary, CLEPA) noted that TRL carried out a review of the Q3, Q6 and Q10 dummy drawing packages for the European Commission (see Appendix 2). A report on the Q3 dummy was published in 2013 and comprised a review of the engineering drawings as well as an inspection of a physical dummy. Two further reports were published in 2015 on the Q6 and the Q10 dummies, which comprised engineering drawing reviews only. Mr Burleigh confirmed that TRL's recommendations from the Q6 and Q10 reports were implemented by Humanetics for the drawings on the UN website, but he was unsure about the recommendations from Q3 report.

Mr Lemmen explained that Q-Series dummies comprise several 3D-shaped components that are difficult to capture fully in 2D engineering drawings. He noted that the clavicles and ribs in particular could be specified in a clearer way. He proposed that such drawings be presented in a 1:1 scale with more cross-sections to assist in the manufacture of parts.

#### Contribution of TF members

Following a short discussion on the status of the current dummy drawing packages, Mr Lorenz asked for volunteers to help undertake the work in a sub-group of the Task Force. This would involve checking the dummy drawings and documentation, possibly in combination with a physical inspection of a dummy, before preparing an amendment to M.R.1 for submission to GRSP. The following Task Force members offered to 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)

Mr Visvikis noted that other members of the Task Force are very welcome to consider offering their time to support the work of the sub-group.

#### **4. AOB**

No other business was discussed.

#### **5. Summary of meeting/actions**

The following actions were noted:

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<sup>1</sup> Post-meeting note: The Q-Series drawings have been removed from the UN website due to the new copyright policy explained at the start of the meeting.

- All Task Force members were asked to consider their own companies' policies with respect to signing the copyright letter, should the need arise;
- 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.

**6. Next meeting(s)**

Mr Visvikis will circulate a Doodle poll for the 2<sup>nd</sup> meeting of the Task Force.

## Appendix 1 – Attendance list

Name	Affiliation	Email
Bernd Lorenz (Chair)	Germany/BAST	<a href="mailto:lorenz@bast.de">lorenz@bast.de</a>
Dinos Visvikis (Secretary)	CLEPA/CYBEX	<a href="mailto:costandinos.visikis@cybex-online.com">costandinos.visikis@cybex-online.com</a>
Mark Burleigh	Humanetics	<a href="mailto:mburleigh@humanetics.eu">mburleigh@humanetics.eu</a>
Britta Schnottale	BAST	<a href="mailto:schnottale@bast.de">schnottale@bast.de</a>
Mary Versailles	US/NHTSA	<a href="mailto:mary.versaille@dot.gov">mary.versaille@dot.gov</a>
Yoshinori Tanaka	Japan/NTSEL	<a href="mailto:y-tanaka@ntsel.go.jp">y-tanaka@ntsel.go.jp</a>
Karsten Hallbauer	CLEPA/Joyson Safety	<a href="mailto:karsten.hallbauer@joysonsafety.com">karsten.hallbauer@joysonsafety.com</a>
Paul Lemmen	Cellbond	<a href="mailto:paul.lemmen@cellbond">paul.lemmen@cellbond</a>
Irina Dausse	OICA/Renault	<a href="mailto:irina.dausse@renault.com">irina.dausse@renault.com</a>
Farid Bendjellal	CLEPA/Britax	<a href="mailto:farid.bendjellal@britax.com">farid.bendjellal@britax.com</a>
Jean-Philippe Lepretre	France/UTAC	<a href="mailto:jean-philippe.lepretre@utacceram.com">jean-philippe.lepretre@utacceram.com</a>
Tim Janssen	TASS	<a href="mailto:tim.janssen@tassinternational.com">tim.janssen@tassinternational.com</a>
Mark Pitcher	CLEPA/Britax	<a href="mailto:mark.pitcher@britax.com">mark.pitcher@britax.com</a>
Thomas Kinsky	Humanetics	<a href="mailto:tkinsky@humanetics.eu">tkinsky@humanetics.eu</a>
Marianne Le Claire	CLEPA/Newell Brands	<a href="mailto:marianne.leclair@newellco.com">marianne.leclair@newellco.com</a>
Eva Walkhed	OICA/Volvo	<a href="mailto:ewalkhed@volvocars.com">ewalkhed@volvocars.com</a>
Edoardo Gianotti	UN	<a href="mailto:edoardo.gianotti@un.org">edoardo.gianotti@un.org</a>
Sebastian Weber	OICA/Audi	<a href="mailto:sebastian.weber@audi.de">sebastian.weber@audi.de</a>
Jason Stammen	US/NHTSA	<a href="mailto:jason.stammen@dot.gov">jason.stammen@dot.gov</a>
Martin Koubek	US/NHTSA	<a href="mailto:martin.koubek@dot.gov">martin.koubek@dot.gov</a>
Andreas Perl	OICA/VDA	<a href="mailto:andreas.perl@vda.de">andreas.perl@vda.de</a>

## 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 <a href="#">here</a> .
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 <a href="#">here</a> .
Giles, N et al.	2015	Q-Series dummy family specification assessment – Q10 (CPR2141) Available to download <a href="#">here</a> .
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