

Short report of the 63rd WG53/CEN TC54 meeting – May 9th, 2022

The following are the most important decisions taken during the meeting.

Formal Vote on the outstanding Amendments of EN13445.3:2014

The Convenor will send to CCMC, to the Commission's Desk Officer and to TC54 an official communication about the practical impossibility for WG53/CEN TC54 to proceed with any further modification of EN 13445.3 before the final approval of Amendment 1 of the 2021 Edition, which contains important modifications on almost every Clause and Annex of Part 3. Having noted that a new HAS Consultant will be appointed by the Commission and that a new assessment of the entire amendment has to be made before the Formal Vote, he will propose an accelerated procedure for the discussion of every possible comment in a single ad-hoc meeting of WG53, with the participation of the new HAS Consultant.

Update of Clause 18 considering the new Appendix W – Revision of Annexes B and C.

Considering that the first priority for the SubGroup Design Criteria is to start the work on a further Amendment of Clause 18 on the basis of the new Appendix W prepared by WG59, that this work will not be possible before the Formal Vote on Amendment 1 of the 2021 Edition and that at present it is not yet possible to make a reasonable forecast about the dates, **the Convenor will ask the Secretariat of TC 54 to freeze the existing PWI on the revision of Annexes B and C.**

Vertical vessels on legs

The present draft will be amended considering all the comments made during the meeting and the content of the related documents. Since the future development of this subject mainly concerns Clause 16, also to be modified by Amendment 1 of the 2021 Edition, **the Convenor will ask the Secretariat of TC 54 to freeze the existing PWI.**

Modification of Clause 10

The actual draft of the new Clause 10 will be amended considering the comments made in the meeting. The new draft will be presented before the next meeting. The new clause 10 will be included in the first yearly amendment of EN 13445.3:2021. **The Secretariat of TC 54 must open a new PWI on this subject.**

Horizontal forces for vessels on saddles - Modification of Clause 22

The experts agree that the proposed restructuring of Clause 5, Clause 16 and Clause 22 (with the aim to consider structural analysis either in vertical or in horizontal vessels) has to be made, however this will only be possible after the formal vote on the outstanding amendments of EN13445.3:2014. A PWI will be opened after this Formal Vote. Meanwhile, the work on the draft for the calculation of horizontal vessels on saddles under horizontal forces will proceed, with the aim to present a draft to be discussed at the next meeting.

Flanges with slotted holes and Clamp Bolts

The draft for calculation of flanges with slotted holes has been approved in the preceding meeting, while the draft for the calculation of clamp bolts (presented at the 61st meeting of WG53) has not yet been formally approved by WG53. Since both documents involve an update of Clause 11, **the Secretariat of TC54 must open a new PWI on the modification of Clause 11.** This will be also included in the first yearly amendment of part 3.

Further amendments of Annex G

It seems reasonable to proceed step by step on the future modifications of this Annex. First step will be the opening of a PWI concerning only the editorial modifications already approved, postponing the updates to bring it in accordance with EN 1591.1 (that is, providing the possibility of a design based on a specified leak tightness for the case of two flanges bolted together and the case of a flange bolted to a flat cover); a further

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update will be the consideration of the case of a flange bolted to a tubesheet and the case of a tubesheet tightened between two flanges. **A short presentation has been made by the Convenor of the work in course in EPERC Task Group 3**, in order to arrive, at least for specific gasket types, at a standard table, similar to the one already contained in EN 1591.1 for the case of liquids, which should permit a design for a specified leak rate independent from the data of the selected gasket manufacturer.

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