



EPERC

New TG proposals

TG6 - Creep

TG7 – Fitness for Service

TC12 – Re-certification of existing P.E.

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Scope Proposal for the new EPERC TGs

- ❑ The meeting has been organized in the frame of **2020 EPERC Global TG meeting**, to discuss about new emerging issues regarding Pressure Equipment. During this meeting two proposals have been addressed.
- ❑ The first proposal is for a **new Task Group regarding the Life Assessment of Creep operated Pressure Equipment**. Several experts have attended the meeting, including members of the **European Creep Collaborative Committee, ECCC**. Chris Bullough (GE) has prepared a presentation with the help of Stefan Holmström. The presentation has been discussed and Andrea Tonti was the speaker.
- ❑ Gunther Merckling has proposed to show the proposal during **ECCC Conference**, which will take place in **September 2020 in Edimburg**. Andrea Tonti will prepare an abstract regarding the presentation and then he will send it to ECCC Conference Scientific Committee.
- ❑ At the end of the meeting **Claude Faidy has proposed to consider this group as a subgroup in the new Fitness for Service Task Group** and this proposal has been accepted.

Scope Proposal for the new EPERC TGs

- ❑ After this part of the meeting, Andrea Tonti has shown a new proposal regarding **Pressure Equipment Re-certification**. This issue is relevant for several member states and the behaviour is very different. Also the behaviour of the NB and the Manufacturers is very different.
- ❑ Nevertheless after the certification of old or very old pressure equipment, they can circulate all over the European Union. The participants to the meeting recognized that this is an emerging issue and that some accident already occurred. This work cannot be done without the **connection with the European Commission**, so there is a proposal to organize a meeting with the competent DG Grow, Dr. Hans D'Hooge.
- ❑ In former time Dr. D'Hooge proposed EPERC to participate to the WGP and WPG meetings, the expert now propose to come back to Dr. D'Hooge and provide the name of EPERC member that will represent EPERC during these meetings.
- ❑ At the end of the meeting the experts has agreed that **this Task Group has to be established in the frame of EPERC Organization**.

Scope Proposal for the new EPERC TGs

- ❑ **Degradation:** cracks, thinning, lost of material properties
- ❑ **Degradation Mechanisms:** fatigue, corrosions, creep, environment (HTHA...)
- ❑ **3 parts in Acceptance of Degradation Rules:**
 - no creep conditions in PE
 - consequences of creep conditions in PE
 - Risk Based Inspection and degradation tolerances
- ❑ **No direct CEN-TC connection: operation rules**
- ❑ **Objectives:**
 - Collect and Compare existing European and International rules for:
 - Flaw Evaluation
 - Local Thinning
 - Lost of material properties: thermal ageing,
 - Identify Gaps and Needs including innovation and new operating conditions

NEW TGs: ACTION LIST

- ❑ Existing Codes and Rules comparison
- ❑ Develop a best practices report:
 - background, validation, open points, recommended practices
- ❑ Define and Launch dedicated R&D program on Gaps and Needs
- ❑ Develop a set of benchmarks around R&D programs
- ❑ Prepare a Code Case Proposal with Practical Case Examples
- ❑ Communications:
 - with International Partners
 - In Conferences, Workshops, Seminars

- ❑ **EPERC TG6, TG7 and TG12 Final Program:** **to be defined soon with TG potential members**



NEW TGs: SYNTHESIS

- TG members and Scope written definition
- List of potential reports
- R&D programs: Reports and Experimental Programs
- 2 days seminars topic by topic
- Relationship with CEN-TC to be organized
- Proposals to EC to be prepared

If you have any **Questions, Remarks or Suggestions**
be in touch with **EPERC BOD members**

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Or use **EPERC website: "How to contact us"**