Working Party « MARINE CORROSION »
(EFC WP 9)

Minutes of the Meeting
September 11th 2014
Palazzo dei Congressi, Pisa, Italy

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Vice-chair: Carol Powell (UK) – CDA, carol.powell@btinternet.com
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1. **Welcome and opening**
The meeting was opened by the Chairman, Ulf Kivisäkk, who began by presenting the agenda.

2. **Apologies for absence**
The following apologies for absence were given:
   - Olga Lahodny-Sarc
   - Jean-Pierre Audouard
   - Roger Francis
   - Bryan Wyatt
   - Jean-Pierre Pautasso

3. **Approval of the minutes of the last meeting**
The minutes of the last meeting were approved without any modification. They will now be put on the EFC web site in the WP restricted area.

4. **Report from STAC meeting**
EFC has expressed a strong intention to focus on CO2 corrosion. However, it is not directly related to marine corrosion and thus, it is difficult to set up a joint session. It does fit better with oil&gas than with marine corrosion.

During the STAC meeting, the WP5 on MIC presented its activities. There are MIC phenomena in marine corrosion and it would be interesting to cooperate with this WP.

5. **Report from Eurocorr 2014**
Three sessions have been organized with a total of 15 oral presentations. The attendance was good with peaks of about 100 attendees. The attendance was lowest at the end of the day.

Some presentations were very good. The selection has been made so that all papers were related to the marine environment. Papers presenting testing in sodium chloride should not be part of WP9. Their place is more in the “mechanisms and methods” sessions.

Some attendees filmed the speakers during their technical presentation. This behaviour is not acceptable. The EFC should adopt a clear policy to solve this, so that, the chair person has a written regulation to refer to. Ulf Kivisäkk will raise this question.

6. **Activities for the Working Party 9 “Marine Corrosion”**

   6.1. **Green book on HISC**
Ulf Kivisäkk has started selecting papers. Roger Francis has agreed to be involved in this new work.

K. Wolski, chair of the WP 10 (environment sensitive fracture) could also collaborate. This needs confirmation.
6.2. Liaison with activities in NACE TG 476 “Corrosion Protection of Offshore

L. Hilbert liaises with the NACE TG 476 in charge of writing a recommended practice on offshore wind power corrosion protection. A meeting was organised during Eurocorr 2014. It has been recalled that this document is not a standard and just states some options for corrosion protection. The chair of this committee has indicated that there will be a document ready for the end of this year. It sounds very optimistic. After the committee has agreed, the document shall go for ballot at NACE.

A lot of people have attended these meetings, and they were really eager to discuss and to learn more.

6.3. Offshore wind turbine and renewable industries

A collaboration with NACE STG 44 should be started regarded this matter.

Three workshops have already been organized on this topic and the question is raised of the relevance of an EFC publication (green book). L. Hilbert and P. Dent will consider this proposal.

There will be another workshop on this topic next year (the part which is not related to cathodic protection) and it might be better to wait till next year to start this publication.

7. Collaboration with NACE

7.1. NACE and EFC updating NATO naval Corrosion and Coatings Standards

The NATO standards will be replaced by joint EFC/NACE standards. A task force has been organised to perform this work: 3 representatives from EFC, 3 from NACE and 3 for NATO. It has been agreed that NACE will do the administrative work. The standards will be published both on EFC and NACE websites when ready. A total of 5 standards will be reviewed. The first technical meeting has been organised during Eurocorr 2014.

7.2. NACE in their work with IMO on corrosion in maritime

This activity has been cancelled as NACE has moved independently on this topic. The task was however already at a standstill due to the lack of resources to pursue this work.

8. Update on standardisation of the Crevcorr test methods

Two proposals for new standards based on the procedures developed within the Crevcorr project have been proposed to ISO TC 156. The draft entitled "Crevice Corrosion formers with disc springs" has been approved without any technical comments and only a few editorial comments. It will be now sent to ballot. Hopefully, it will be published next year.

The second proposal is the new synthetic seawater with biocapacity test which has been proposed as a new work item from France. Apparently, there has been no progress. D. Feron will get in touch with M. Hélie, conveynor of the TC group.

9. Ideas for Eurocorr 2015 and possible co-operation with other WP:s

The following proposals were approved for Eurocorr 2015 :

- Joint session with WP16, cathodic protection, focusing on CP in the field of renewable energy,
• Joint session with WP5, environment sensitive fracture
• Possible collaboration with WP 10, microbial corrosion.

10. Suggestion for new activities
There is a need to bring back technical discussions in the WP9 committee. Two ways were discussed:

• The implementation of new round robin tests. It has been agreed to start a work on HISCC methods. There is a need to find methods that can be easily set up. It seems that there is no standard in this field. Proposal and ideas are to be sent to Ulf Kivisäkk. The objective is to set up a test matrix for the next Eurocorr.

• Organize short presentations, such as 3 minutes presentations for example, to present on-going projects. The presentations shall be only those that are not covered by the technical sessions. It is also seen as a good means to initiate discussions and possible collaborative work.

11. Any other business
The question was raised on the methods used for publishing the technical information. Green books are OK but it is more or less old fashioned...Why not use the website and propose chapters rather than full books? The STAC has also started to think about possible changes regarding this matter.

12. _ Closure
The next business meeting will be held during Eurocorr 2015.