Working Party « MARINE CORROSION »
(EFC WP 9)

Minutes of the Meeting
September 4th 2013, Estoril, Portugal

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Vice-chair: Carol Powell – CDA, carol.powell@btinternet.com
Secretary: Anne-Marie Grolleau – DCNS Cherbourg, anne-marie.grolleau@dcnsgroup.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

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

4. **Members appointed by member societies**  
The corrosion societies were asked to update the names of their official representatives at the WP9. Few answers were received:  
- Associazone Italiana di Metallurgica : Emma Angeline, Fabio Bolzoni  
- CEFRACOR : Anne-Marie Grolleau, Jean-Pierre Audouard  
- The Corrosion Association in Turkey : Prof. Mehmet Erbil

5. **Report from Eurocorr 2013**  
The following technical sessions have been organised by the WP 9:  
- The marine corrosion technical session : 11 oral presentations, 7 posters.  
- A workshop on Corrosion Protection Strategies in Renewable Energy Systems : 7 oral presentations

The technical session attracted between 20 and 65 people. The technical papers have been very good. The workshop will be held the day after the present meeting.

6. **Activities for the Working Party 9 “Marine Corrosion”**  
- Offshore wind turbine and renewable energy industries :  
  - WP9 is involved in new work within the framework of NACE TG476 on “Corrosion protection of offshore wind power units”. A meeting was organised at Eurocorr on September 4th. The first objective was to gather experts that would like to contribute and help writing new guidelines. The next meeting will be organised at Corrosion 2014 in San Antonio.  
  - Organizing a workshop or a session next year on renewable energy is under consideration; the decision will be made after examination of this year’s results. If the workshop held tomorrow is a success, another session on the same topic will be put together next year.
Collaboration with NACE:

- There is a strong will to replace the NATO standards by joint EFC/NACE standards. The agreement between NACE and EFC was signed on September 3rd. A task force will be 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. Ulf Kivisäkk asked for some volunteers to be involved in this group. DCNS might be involved in this task. However, this needs to be confirmed. It is emphasized that the participants must be official members of corrosion societies. Ulf Kivisäkk will circulate the list of standards under scrutiny. It is thought that these standards mainly cover paints and coatings.
- Collaboration with NACE on IMO regulations: this task is at a standstill but Anne-Marie Grolleau will contact Del Doyle, the representative from NACE, to obtain an update.
- For information: Del Doyle was contacted just after the present meeting. It appears that NACE has moved forward independently on this topic. However volunteers for reviewing these documents are welcome and should let Ulf Kivisäkk know. Del Doyle proposed to give passwords to a limited number of people who show some interest and would like to be involved.

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 proposal entitled "Crevice Corrosion formers with disk springs" was submitted through Sweden and has been accepted as a new work item, NP18070, during the spring 2012. Ulf Kivisäkk has been appointed project leader and a DIS ISO 18070 “Corrosion of metals and alloys — Crevice Corrosion formers with disc springs for flat specimens or tubes of stainless steels in corrosive solutions” is out for voting as a draft. The earlier committee draft was well received. The possibility to extend this standard to nickel based alloys was discussed. However, it seems that this standard should only apply to stainless steels as the tests made to validate these crevice formers were only performed on stainless steels. The second proposal is the new synthetic seawater with biocapacity which has been proposed as a new work item from France.

Ideas approved for Eurocorr 2014:
- Marine corrosion issues for subsea structures: collaboration between WP 13 and WP9. Possibilities for collaboration in 2014 will be discussed with the new chair of WP13. An emphasis will be given to deep seawater structures
- Joint session with WP16, cathodic protection.

Suggestions for new activities in 2014: Ulf Kivisäkk suggested making a green book on HISC. Last year, WP 16 (cathodic protection) initiated a green book on the “best articles” involving a selection of the best papers since the beginning of Eurocorr. Some of the selected papers deal with HISC but it is thought that these only amount to one or two. As such, this on-going WP 16 project is unlikely to interfere. Anne-Marie Grolleau will inform the WP9 committee about the articles selected by the WP16 working group covering this. Ulf Kivisäkk will then make a list of all the articles that could be possibly published in a green book dedicated to HISC.
7. **Any other business**
   A more convenient time for the WP9 business meeting will be sought for next year. An informal meeting will take place during the NACE conference CORROSION 2014, San Antonio, in March 2014.

8. **Closure**
   The next business meeting will be held during Eurocorr 2014.