



EUROPÄISCHE FÖDERATION KORROSION
EUROPEAN FEDERATION OF CORROSION
FEDERATION EUROPEENNE DE LA CORROSION

Working Party « MARINE CORROSION » (EFC WP 9)

Minutes of the Meeting September 15th 2010, Moscow, Russia

Chair: Ulf Kivisäkk – AB Sandvik Materials Technology, ulf.Kivisäkk@sandvik.com

Vice-chair: Carol Powell – CDA, carol.powell@btinternet.com

Secretary: Anne-Marie Grolleau – DCNS Cherbourg, anne-marie.grolleau@dcnsgroup.com

SUMMARY OF MAIN DISCUSSIONS AND DECISIONS

- The EFC book N°60 on the Crevice Method is now available.
- The NACE/EFC basic guide dedicated to engineers new in the field of corrosion is under review at NACE
- A new group has been created to participate in the NACE IMO Advisory Council
- New activities are being discussed and two areas will be selected during the next meeting
- Next meeting organized during Eurocorr 2011

ATTENDEES

NAME	AFFILIATION	COUNTRY	e-mail	Society
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Lisbeth Rischel Hilbert	Force Technology	Danemark	LTH@FORCE.DK	Force Institute

1. Welcome and opening

The meeting was opened by the Chairman, Ulf Kivisäkk, who shortly presented the agenda and asked the attendees to introduce themselves.

2. Apologies for absence

The following apologies for absence were received: Carol Powell (CDA, UK), Stuart Bond (TWI Ltd, UK), Patrice Houille (Haynes) Stuart Bond, Roger Francis, Dominique Festy, Jerome Peultier, Olga Lahodny-Sarc, Jean-Pierre Pautasso, Roy Johnsen, Sheelagh Campbell and Jean-Pierre Audouard.

3. Approval of the minutes of the last meetings

The minutes of the two last meetings (Nice and San Antonio) were approved without any modification.

It was agreed that the minutes could be posted on the EFC website, as this is seen as a good way to communicate on the work of the working party and possibly attract new members.

4. Report from the STAC meeting

It has been recalled by the STAC that the working party meetings are organised firstly for members of national corrosion societies, which in turn are members of the EFC. It is then the decision of the working party chair to allow people that are not official representatives of these societies to the meeting and to give them access to the working party webpage. For WP9 the decision has been made to keep the information open to everybody. However, it has been asked in any case to identify whether or not the attendees are members of societies.

5. Report from Eurocorr 2010

Technical sessions have been organised by the WP 9. 9 oral presentations have been selected and part of them has been devoted to maritime. Only two posters have been proposed; one panel discussion on future needs of corrosion legislation in Maritime has also been organised.

There is no focus on a particular topic this year as the marine session was planned at first to be devoted to atmospheric corrosion by the local organisation in Russia. It has been impossible to organise this devoted session.

6. Marine corrosion sessions for Eurocorr 2011

It has been proposed to organise a general session on marine corrosion and one joint session with the WP 13 (oil & gas). There are some corrosion problems encountered on platform risers and it is worth organising a whole session on this topic. It will be described as a priority topic in the call for papers.

G. Ferrari suggested also that a joint session with cathodic protection should be organised.

7. Activities of the WP9

a. Publication of “The corrosion performance of metals for the marine environment – a basic guide”

U. Kivisäkk gave an update on this publication, which is a basic guide for people new in this field. The contents are:

- Intro
- Iron and carbon steels
- Stainless steels
- Copper alloys
- Nickel alloys
- Aluminium alloys
- Titanium alloys
- Galvanic corrosion

This publication is now being reviewed by NACE. All the contributors to this work are thanked for the efficient work that has been done; special thanks to Carol Powell and Roger Francis who spent a lot of time on this project.

This publication should be issued by the end of the year. However, it might be delayed due to the absence of the EFC secretary, Paul Mc Intyre.

b. Collaboration with NACE on the IMO advisory council

NACE, as an NGO, has just started the process of participation within the International Maritime Organisation and has asked the EFC to join this effort to improve the safety, the environment and the efficiency of the marine industry. An advisory council has been organized and a first meeting took place during NACE 2010 in San Antonio. Anne-Marie Grolleau attended this meeting to represent the EFC and the WP 9. There is a huge work on this topic and it does require some additional human resources. Also, the objectives of the EFC must be clearly identified before going any further. A “task force” will be organized to work on this particular topic. For the moment, A.M. Grolleau remains the official correspondent with NACE. She will communicate all the documents to the members that are willing to be involved. Gabriele Ferrari has accepted to join this group and reminded that a quick action is necessary, as the yards are not really happy with the new PSPC regulations and that they encounter some major problems with its application. Phil Dent will also send all the documents and the information to members of the Marine Corrosion Forum in UK.

c. Performance of copper base alloys in sea water piping systems

It has been agreed to stop this activity as a workshop had been organized two years ago and there is no other obvious action that could be started on this topic.

d. Standardization of the Crevcorr Test Method

The Crevcorr book is now out for sale (EFC N° 60). The synthetic seawater will be proposed to standardization and possibly transformed in an ISO standard during the next ISO meeting that will be organized next May in China.

Phil Dent indicated that it is very difficult to buy the test assemblies and there is a need to have a source of obtaining the actual Crevcorr washer. Today it is really expensive and it takes 3 to 6 months to have some delivered. U. Kivisäkk will ask Shell who is their supplier, as they have been using it for quite some long time. It remains that, for a standard method, the washers shall be easily available.

e. Implementation of e-learning modules

This idea was suggested by Roger Francis during the last meeting. Some extracts of the new book could be probably used for this. However, volunteers are needed to perform this task.

f. Survey about existing seawater testing laboratories

Due to the amount of work necessary to carry on with standardization of the Crevcorr method, U. Kivisäkk will leave this task aside for a while.

8. Any other business and new activities

New activities are suggested by the attendees:

- Marine corrosion problems for subsea structures : collaboration between WP 13 and WP9
- Microbial corrosion in maritime
- Offshore windmills and renewable industries: there are some specific issues with atmospheric corrosion. This is a completely new area that offers new opportunities for the WP 9. Phil Dent and Lisbeth Hilbert will gather some information on potential problem areas and will propose some particular actions that could be discussed during the next meeting. They will inform U. Kivisäkk of their progress
- Erosion/Corrosion: Anne Neville (UK) has run some projects on this topic. Before going on with this, her publications and work should be investigated (information given par Phil Dent).

Only one or two areas will be selected among the above proposals during the next meeting.

9. Next meeting

The next meeting of EFC WP9 will be organised during **Eurocorr'2011 in Stockholm, Sweden (Sept. 4 – 8, 2011)**.

10. Closure

U. Kivisäkk closed the meeting and thanked the attendees and contributors.

Written by	Anne-Marie Grolleau, Secretary	September 21st 2010
Verified by	Carol Powell, Vice chair	September 21st 2010
Approved by	Ulf Kivissak, Chairman	September 24th 2010