

EUROPEAN FEDERATION OF CORROSION Working Party « CATHODIC PROTECTION » (EFC WP 16)

Minutes of the 7th Meeting October 3rd 2001, Lago di Garda, Italy

Welcome, Apologies

The meeting was opened by M. Roche, who presented the Working Party (objective, date of creation, annual frequency) for the persons who were attending the meeting for the first time, and then reminded the topics to be discussed. After the usual apologies for the people who could not attend the meeting and the attendance list for those who could (see appendix 1), the intended agenda (as depicted in the invitation, see appendix 2) started the session. 12 attendants participated to the meeting.

Approval of the minutes of the 6th meeting held in Barcelona on March 27th

The minutes were approved without modification.

Information on the launching of the CEN/TC219/WG5 on "Qualification and certification of personnel"

M. Roche announced the launching of the working group TC219/WG5 and reminded its main objective within the next 3 years, which is to establish a European Standard on Qualification and Certification of CP personnel.

The first meeting will be held in Paris on the 21st of November 2001.

The purpose of the meeting will be to establish the first basis of this new standard, using the final version of the EFC comparative document (given in appendix 3 of the minutes of the last meeting) and the following documents :

- French and Italian Standards,
- U.K Icorr REQ DOC,
- EN 473 (Certification of NDT operators)

A periodicity of 2 meetings per year was retained. One of them will be held in Paris and the second one will take place elsewhere in Europe.

Preparation of the work on EFC Publication on the "State of the Art" report for assessment of CP of buried pipelines. Designation of a responsible for this task.

During the last meeting, a first extended outline had been prepared, as a basis for the work of the working group. The different chapters have been reviewed and accepted.

L. Lazzari noticed that the Stress Corrosion Cracking risks, linked to overprotection and to fluctuation of the CP level due to stray currents, were not mentioned.

Consequently, it was decided to add a chapter dedicated to the implication of cathodic protection (overprotection) in the Stress Corrosion Cracking risk.

The importance of a collaboration with CEOCOR Sector A in a joint working group had also been pointed out during the last meeting. Indeed, considering the implications of both EFC and CEOCOR in CP (EFC involved in all aspects of CP and CEOCOR involved in CP of water and gas pipelines), it had been considered that a close collaboration would be fruitful.

Therefore M. Roche requested an official agreement from CEOCOR to form a joint working group (EFC / CEOCOR), but the answer from L. Di Biase was negative (see mail from L. Di Biase in appendix 3).

The 3 main reasons given by CEOCOR to explain their decision, are following :

- in the last years, the subject proposed by EFC has been deeply treated. In addition, many existing CEN standards cover the subject. Therefore there is no need for such a document.
- CEOCOR has already published some documents on this subject :
 - * a "Practical guide for Cathodic Protection",
 - * the booklet "Guidelines for Measurement Techniques in Cathodic Protection", published in 1994, in German, French and Italian languages,
 - * the booklet "AC corrosion on CP pipelines, available in English language.
- CEOCOR Sector A already has a very heavy program.

It was commented that the existing standards might not cover the subject in its entirety (for example, they give a criteria for the immunity potential at the interface metal/ electrolyte, but they do not give a method to measure it, at this precise location). In addition, the standards do not permit to interpret the measurements and do not give recommendations.

It was also pointed out that the CEOCOR booklets were not available.

In addition they might need to be up dated, since the first CEOCOR booklet was published in 1994 and since, for example, the CEOCOR booklets do not mention the risk of Stress Corrosion Cracking linked to overprotection.

It was therefore decided that M. Roche would submit again the project of a joint working group to CEOCOR.

Whatever the decision of CEOCOR, the working group will be maintained. The tasks will be shared during the next meeting.

During the last meeting, it had also been decided to design a responsible for the redaction of the "State of the Art" report.

M. Roche insisted on the benefit of having a responsible which would be both a CEOCOR and EFC member.

It was therefore decided to wait for the CEOCOR decision to join the working group before making the decision.

The responsible person for this task will be chosen during the next meeting.

Other technical topics and free discussions

The 4 following topics, to be dealt with during the next meeting, were proposed :

- M Radovici submitted the problem of protection of heated pipelines.
The use of epoxy coating, when temperature permits it, was proposed, combined with the use of sensors to detect the ingress of water.
- J. Soldevila pointed out that different methods were used for the protection of pipeline casings on the one hand and of well casings on the other hand.
He agreed to prepare a description of the different types of protection and a presentation of the policies of the different companies for the next meeting.
- J. Soldevila also submitted a reflection on the protection of tanks, insisting on the difficulty to associate cathodic protection and earthing systems.

- M. Roche proposed a reflection on CP modeling onshore and offshore, focusing on two aspects :
 - * the software (calculations used, etc...)
 - * the input data used in the model.

Next meeting

Next EFC WP16 meeting

It was decided that if an EFC WP 16 meeting was to be held in spring, it would be held in Gdansk, in the frame of the CP technical workshop organized on May 9-10 2002.

M ----- insisted on the need for Poland to establish contacts with western companies. He also invited the participants to submit papers related to CP.

The decision to hold a meeting in spring will depend on the CEOCOR answer.

M. Roche shall inform the attendants of the CEOCOR answer and a decision is to be taken before the end of the year.

Other meetings

The following meeting shall be held in the frame of the ICC Granada conference on September 22-27 2002.

J. Soldevila will confirm the possibility to organize this 4 hour meeting.

Involvement in the EFC event in Aix en Provence

M. Roche reminded the dates for the 2 joined events organised by CEFRACOR :

- workshop on corrosion certification on June 4-5 2002 (EFC event n°253)
- workshop on cathodic protection and associated coating on June 6-7 2002 (EFC event n°254).

M. Roche also invited the participants to submit their papers.