



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

Working Party « CATHODIC PROTECTION » (EFC WP 16)

Minutes of the 18th Meeting
September 11th, 2012
Sheraton Maslak Hotel & Congres Center
Istanbul, Turkey

1 Welcome, Apologies.

The meeting was opened at 10 a.m. by the Chairman, Marcel Roche, and the Vice-chairman, **Jérôme Cruzillac** (Bac, France), who shortly presented the Working Party for the new attendants. This was the last meeting chaired by Marcel Roche, Jérôme Couzillac being the new Chairman from Eurocorr'2012 Conference.

After the usual apologies for the people who could not attend the meeting and the attendance list for those who could, the intended agenda as depicted in the invitation started the session (see [annex 1](#)). 15 people attended the meeting, representing 10 countries.

Attendees:

Marcel Roche (Chairman EFC WP16, President of CEFACOR, France), Jérôme Cruzillac (Vice-Chairman, BAC, France), Christophe Baete (Elsyca, Belgium), Robert Buchanan (Canusa-CPS, Canada), Simone Brasil (Executive Director ABRACO, Universidade Federal do Rio de Janeiro, Brazil), Sylvain Fontaine (GRTgaz, France), Denise Freitas (ABRACO, National Institute of Technology, Brazil), Linda Goldberg (NACE International, USA), Andrey Goncharov (Gasprom VNIIGAZ, Russia), Anne-Marie Grolleau (DCNS Research, France), Patrick Hivert (Pipeline Services, Abu Dhabi), Hans-Gerhard Köpf (FKKS Cert GmbH, Germany), Ken Lax (Corrosion and consult, UK), Pr. Lazzari (Politecnico Milano, Italy), Simone Tremolada (Industrie De Nora, Italy),

Apologies:

Leif Berhagen (Sweden), Jorge Coelho (Petrobras, Brasil), Jean-Pierre Pautasso (DGA, France), Ulrich Schneck (Germany), Dr. Ing. Jerzy Sibila (Corrstop, Poland).

Jérôme Cruzillac will be the next EFC WP 16 Chairman from Eurocorr' 2013 in Estoril, Portugal. Marcel Roche proposed to attendants of the meeting to apply to be the new Vice-chairman, to be confirmed by the STAC. **Anne-Marie Grolleau** (DCNS, France) proposed herself and all members present agreed.

Sylvain FONTAINE (GRTgaz, France), secretary for the present meeting, accepted to be the permanent Secretary for EFC WP16.

The present minutes of meeting are sent to the attendants and to those who were not able to attend this time. They are also sent to those who attended the recent previous meetings and to other potentially interested colleagues.

2 EFC WP16 business: Work programme for 2012 – 2014, Website (including use of “restricted area”)

The updated detailed action plan for 2012-2014 of EFC WP16 as registered by EFC STAC has been presented (see [annex 2](#)).

One of the main objectives of the WP 16 is to organize sessions during the Eurocorr's. This year a general session on “Cathodic protection” WP 16 presenting 24 papers was organised on Wednesday 12th and Thursday 13th morning and a joint session on “Cathodic Protection in concrete” presenting 4 papers was co-organised with WP 11 (“Corrosion in concrete”) and WP 16 (“Cathodic protection”) on Tuesday 11th afternoon. In addition, a paper on CP in concrete was presented during the “Corrosion in concrete” session.

It was reminded that the other major objectives of EFC WP16 are:

1. **Follow-up of progress and support in Certification** of CP personnel, services or companies in Europe, especially consecutive to the publication of EN 15257 (CP – Competence levels and certification of CP personnel).
2. **Publication of a “Best of”** collecting selected papers presented at previous Eurocorr's.
3. Exchange of information and recommendations for **CP measurements and coating surveys techniques for buried pipelines**.

M. Roche reminded that, like for all other EFC Working Parties, EFC WP16 update a Web page (<http://www.efcweb.org/Working+Parties/WP+16.html>) on the EFC website (<http://www.efcweb.org/>).

Then, he presented the “**restricted area**” to be **only devoted to “official members” of EFC WP 16**. The possibility of “restricted areas” is offered to the EFC Working Parties by DECHEMA, operating the Web site of EFC. The “restricted area” is accessible at the bottom of the public EFC WP16 Web page, using specific “*username*” and “*password*”. These will be sent to each “official member” in order they will be able to reach the corresponding “restricted area”. This “EFC WP16 restricted area” will be used in addition to the EFC WP16 public Web page to install information that WP16 will decide to supply only to “EFC WP16 members” and not to spread it too much.

Marcel Roche presented the EFC web-site. It can be found:

- The list of EFC member societies,
- List of Working Parties,
- The list of documents that are registered under the WP 16 restricted area:
 - o Unapproved minutes of the latest EFC WP16 meeting;
 - o The annexes of the minutes of meetings;
 - o The list of members with their addresses;
 - o An updated table giving the comparison of the schemes of certification of personnel in cathodic protection in the various countries;
 - o An updated table giving the comparison of the number of certificates delivered to persons in cathodic protection in the various countries;
 - o Other documents and information, to be detailed in the future.

3 Approval of the minutes of the 17th meeting held in Stockholm, Sweden, on September 6th 2011.

The minutes were approved without any modification.

The minutes will be available on the public page of WP16 on the EFC website, without annexes (to be kept on the “restricted area”).

4 Progress on implementation of EN 15257 on "Cathodic protection – Competence levels and Certification of Cathodic Protection Personnel".

Marcel Roche presented an updated document about the situation around the world about certification of personnel in cathodic protection (see [annex 3](#)).

He explained differences between the European system which works according to EN 15257 and the the NACE system. Both are not equivalent:

- NACE is not based on EN ISO 17024,
- NACE has 4 levels,
- NACE has no formal application sectors,
- NACE does not operate practical examination except for level 1.

In Europe, accreditation allows demonstrating the equivalence between all certification bodies working with EN 15257.

Today, the cumulated number of certificates in Europe is about 1500 against about 5000 for NACE (3/5 are for level 1 “CP Tester”).

5 Exchange of information on the progress of Certification for CP outside Europe. Possible project on ISO standard (ISO TC156 WG10)

Updated information was given by Denise Freitas on the implementation of a training and certification scheme in Brazil (see [annex 4](#)). The new Brazilian certification body center was inaugurated on the 29th May 2012 by ABRACO. The first courses will start next October.

ISO TC 156 agreed to have a New Work Item about certification of cathodic protection personnel according to Vienna Agreement, with CEN TC 219 lead. EN 15257 is proposed as basic draft for this work. The DIS step has been accepted (see document ISO TC 156 n°5468) under reference ISO 18181 as ISO 15257 is already used.

For ensuring the success of a widely recognised and used ISO standard, it is necessary that all the interested countries participate. This applies especially for the USA (NACE) and Brazil in addition to the European countries. The aim is to have a single certification system for the cathodic protection personnel, which constitutes a major challenge for the next years.

6 Project of an EFC Publication on the “State of the Art Report for the assessment of CP of buried pipelines”.

CEFRACOR, in France, is writing a document (a “PCRA recommendation”) on this topic. It could be used as a basis for this work.

It has been decided that France and UK prepare a proposal for the detailed contents for this work before the next meeting. This will help organising a task force for writing the document.

There are difficulties to get enough people active for this kind of work. One of the reasons is the lack of availability of specialists. Another reason is that in Europe most of the CP specialists working for buried pipelines in gas and water transmission companies are members of CEOCOR (www.ceocor.lu) Commission 2 and do not attend too much EFC meetings. This important project will be possible only if CEOCOR (Commission 2) experts agree to work in a joint working group with EFC WP16. Efforts to reach such a co-operation has been unfortunately unfruitful up to now and should be continued.

7 Project of an EFC Publication on the “Best of” of the papers published at the Eurocorr’s on CP.

This project consists in preparing a publication for the EFC Series of Books (“Green books”) constituted of the best papers presented at the previous Eurocorr’s. The major problem is that papers at Eurocorr’s are not lectured and approved by EFC before their presentation at the conferences. A selection is therefore necessary, together with some modifications of the papers with the approval of authors if needed.

A.M. Grolleau, Marcel Roche and Jean-Pierre Pautasso have already gathered all the papers relevant to CP. They would like now volunteers to help them to select relevant papers. People are welcome to inform the Chairman if they are volunteers. It shall be requested to authors to check and update their documents.

8 Other topics

No other topics have been discussed.

9 Next meeting and events.

The next business meeting of EFC WP16 will be organised during **Eurocorr 2013 in Estoril, Portugal (Sept. 1 – 5, 2013)**.

Abstracts for the CP session to be organised in Eurocorr 2013 will be welcomed on the dedicated website.

S. FONTAINE
Secretary

M. ROCHE
EFC WP 16 Chairman

J. CROUZILLAC
EFC WP 16 Vice-chairman

4 annexes