

Protocol of the 7th meeting of the EFNDT Railway forum

Date: 24th of April to 25th of April 2013

Place: DGZfP in Berlin

Official Agenda:

1. Opening
2. Presentation about the qualification in Poland
3. Presentation about education and qualification for small organizations
4. Presentation about the education system in Germany and France
5. Discussion about the presentations
6. Presentation about the experiences with cracks in axles due to pitting corrosion
7. Final discussion and further steps
8. Next meeting

1. Opening

R. Krull welcomed the participants of the 7th EFNDT-meeting in Berlin. He introduced Dr. Purschke, the president of the EFNDT and Mr. U. Menzel, the representative of the education centre in Wittenberge. All the members were well known, so an introduction was not necessary.

2. Presentation about the qualification of NDT-personnel in Poland

Mrs Wojas showed a presentation about the education and qualification system in Poland. It was shown, that there is a sector-specific education within the industrial sector railway maintenance. The presentation you can find in the appendix.

3. Presentation about the qualification methods for small organizations

G. de Vires showed a presentation about a proposal of the education and qualification of NDT-personnel for small organizations. The corresponding document you can find in the appendix. This document was created by the colleagues of the Netherlands (G. de Vries, Th. de Keijzer), Austria (Th. Müller) and Switzerland (Th. Baumgart). The idea of the document is the qualification of NDT-personnel (qualified in the multi sector on the base of EN ISO 9712) within the company on the base of a modular system.

Further important facts are:

- education and qualification in the company of the trainee staff by the employer,
- reduction of the sector railway maintenance to wheel sets,
- certification by the employer.

These three facts were the main points for the further discussion.

4. Presentation about the education system in Germany and France

R. Krull showed a presentation about the actual education system in Germany and France (and in principle in Italy too). The principle of this system is the education within education centres with a subsequent examination by an examination centre. The certification is carried out by a certification body. The base for all steps of education, examination and certification is the EN ISO 9712 within the sector railway maintenance and the UIC 960.

5. Discussion about the presentations

After the presentations it was shown that essentially two ways of training are pursued by the participants of the forum. These ways are:

1. Education, examination and certification exclusively on the basis of the EN ISO 9712 according to the industrial sector railway maintenance,
2. Education and examination within the multi sector according to EN ISO 9712, with subsequent modular training only for wheel sets by the employer; the examination and certification is then made by the employer too.

Dr. Purschke explained that the realization of the examination and certification once by the examination centre and certification body according to EN ISO 9712 (multi sector) and subsequent qualification and certification for wheel sets by the employer will lead to problems. Therefore it will be better that the employer is recognized as an examination centre by the certification body according to EN ISO 9712.

Until now, no satisfactory agreement could be reached with comparable quality in terms of the two ways of education.

The next step will be the collection of content of NDT education of wheel sets in the participating countries, because all participants have the opinion that these components definitely belong to the industrial sector railway maintenance. The aim is to determine the minimum content for ensuring a comparable quality of education. On this basis, the next steps will be discussed.

6. Presentation about the experiences with cracks in axles

G. de Vries showed a presentation about cracks in axles due to pitting corrosion. The information is confidential, so the presentation may not be distributed.

7. Further information and next steps

1. R. Krull will collect the data regarding the contents of education for NDT of wheel sets. All participants are friendly asked to send the data to R. Krull until the end of June.
2. R. Krull will prepare a presentation with the collected data to show similarities and differences within the education. The aim should be to

find a common base in relation to education, qualification and certification process.

3. P. Kecskés will show a new eddy current technique for the detection of very small defects. It could be interesting for the detection and evaluation of the defects in axles shown by G. de Vries in his presentation (see point 6).

8. Next meeting

The next meeting will take place in Vienna from the 6th to the 7th of November 2013. The actual data will be sent to all members after new information.

R. Krull would like to thank all organizers and participants for the interesting two days, especially our colleague S. Zeidler for the warm welcome in Berlin.

For the correctness of the protocol: R. Krull

- Appendix:
- list of participants
 - photo of the participants
 - presentation about the qualification of NDT-personnel in Poland
 - document about the qualification methods for small organizations
 - presentation about the education system in Germany and France
 - document about the education system in Germany and France