

Questionnaire Forum EFNDT- Railways

**Organization of NDT Personnel Certification
for the Railways Sector**

As you probably know, EFNDT launched in November 2010 a Forum dedicated to "Railways". At this point, two meetings were organized and the objectives of the forum were discussed.

In order to better apprehend the national organizations of NDT in Railways in Europe, we would be grateful if you could support our work by answering the here enclosed questionnaire.

This exercise will possibly require the participation of the representatives of your national railways sector committee, railways industry or railways undertaking.

As we will discuss the results of this inquiry during the next meeting that will be organized end June, we would be very grateful if you could answer by **10th June**.

We thank you very much for that. We remain at your disposal for any additional question (contact Mr KRULL) you may have and would very much appreciate to meet you or your representative of the sector to the next Railways forum meeting.

Please note that the questions can be answered optionally.

Part 1 : Questions related to NDT personnel certification

1/ Generalities :

1.1. Which standard do you follow for NDT personnel certification ?

- ☐ EN 473, edition :
- ☐ ISO 9712, edition :
- ☐ If other, please specify:

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1.2. Which is (are) the national NDT certification body(ies) in your country ?

.....

.....

1.3. Does a NDT sector dedicated to "Railways" exist in your country ?

- ☐ Yes
- ☐ No

1.4. Does the sector « Railways » cover all the aspects of the field (e.g. fabrication, maintenance) and components (e.g., rails, structures, ...) ?

- ☐ Yes
- ☐ No

1.5. Is this sector organized with sub-sectors ?

- ☐ Yes
- ☐ No

1.6. If there are sub-sectors, which are they ?

- ☐ Axes
- ☐ Boggies
- ☐ Structures
- ☐ Rails
- ☐ Others, please specify :

1.7. If there are no sub-sectors, which rules does the « Railways » certification follow ?

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If your answer is yes to question 1.6, can you specify the differences, if any, between the different sub-sectors by filling the table here under ?

What are the levels of certification existing for each method and each sub-sector ?

	Sub-sector	Sub-sector	Sub-sector	Sub-sector
Method VT				
Method PT				
Method MT				
Method UT				
Method ET				
Other, specify				

2/ Training and visual acuity

2.1. Which rules do define the training durations in your organization for NDT personnel certification for Railways ?

- ☐ EN 473
- ☐ ISO 9712
- ☐ If other, please specify :

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2.2. Do these durations include general, specific and practical training ?

- ☐ Yes
- ☐ No

2.3. What are the reference documents for defining the training schemes and contents ?

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.....

2.4. Is there a recognized training organism in your country ?

- ☐ Yes

2.5. If yes, which is the name of the entity approving the training organism ?

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.....

2.6. What process will a training centre follow in order to be recognized ?

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.....

2.7. What are the practical tests applied for visual acuity ?
More specifically, for discriminating the colors ?

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.....
.....

2.8 Which NDT-personnel has to complete which visual acuity and how often ?

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.....
.....

3/ Industrial experience

3.1. Are the experience durations in conformity with :

- EN 473
- ISO 9712
- Other :

3.2. When is the industrial experience collected ?

- Totally before the examination
 - Partly before and after the examination
- In this case, which is the delay allowed to collect it ?

.....

3.3. Do you apply the duration reductions allowed by the standards in case of multiple certifications ? Actually, in which way ?

- Yes
- No
- If partially, please specify :

3.4. In order to gain the industrial experience, will the inspector work under surveillance of a certified inspector ?

- Yes
- No. In that case, who will perform this surveillance ?

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4/ Examination

4.1. Which organization does recognize the examination centres ?

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.....

4.2. What is the statute of the examination centres ?

- ☐ Independent of the certification organism
- ☐ Recognized by him
- ☐ If other, please specify :.....

4.3. How long is the duration of the agreement/recognition/accreditation ?

.....
.....

4.4. By which means is this agreement follow up ?

- ☐ Audit
- ☐ If other, please specify :.....

.....

4.5. Who is the owner of the examination specimen ?

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4.6. What is the validation process for the examination specimen ?

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.....

4.7. Does a conformity certificate exist for each specimen ?

- ☐ Yes
- ☐ No

4.8. If yes, who does pronounce the validation of this certificate ?

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.....

4.9. What is the process of maintenance for the examination specimen ?

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4.10. Do the specific questionnaires allow for editorial questions for level I and II examinations?

- ☐ Yes
- ☐ No

4.11. Are the number of pieces for the practical examination in conformity with EN473 and/or ISO 9712 ?

- ☐ Yes
- ☐ If no, please specify the differences :.....

4.12. From which sector are issued the examiners ?

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5/ Certificates

5.1. Who does manage the certification cards ?

- ☐ The national body
- ☐ The committee
- ☐ A state body
- ☐ If other, please specify :

.....

5.2. What is the validity duration for a given certification ?

- ☐ 5 years
- ☐ If other, please specify :

5.3. What is the duration for the operating authorization ?

- ☐ Same as for certification
- ☐ If other, please specify :

6/ Certification renewal and recertification

6.1. Are the renewal conditions in conformity with EN 473 ?

- ☐ Yes
- ☐ If no, please specify :

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6.2. Are the recertification conditions in conformity with EN 473 ?

- ☐ Yes
- ☐ If no, please specify :

.....

6.3 Which process is to apply for the recertification of the NDT-personnel ?

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2nd Part : Questions related to the regulations aspects

7.1. Are there regulations to manage the aptitudes conditions, the physical and professional follow-up of the NDT personnel ?

- ☐ Yes
- ☐ No

If your answer to question 7.1 is “no”, please answer the question 7.2 which will be the last to be answered in this case.

If your answer to question 7.1 is “yes”, please go directly to question 7.3

7.2. If no regulation exists, does the company organize a specific follow-up for NDT personnel ?

- ☐ If yes, please specify :.....
.....
- ☐ No

7.3. Can you specify the regulation content and its application to NDT personnel ?

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7.4. Are there supplementary constraints contained in the regulation ?

- ☐ Yes
- ☐ No

7.5. If yes, in which area ?

- ☐ Physical aptitude
- ☐ Professionnal aptitude
- ☐ Training
- ☐ Others

7.6. What are the responsible organisms ? Describe their roles.

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7.7. In which way do they interact with the certification process ?

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.....

7.8. Are there other standards or maintenance codes on national level or internal to the company to manage NDT (other than EN 473 and ISO 9712 for NDT personnel) ?

- ☐ If yes, please specify :.....
.....
- ☐ No

7.9. If yes, please specify their scope

- ☐ Organization
- ☐ Interactions between levels 1, 2 et 3
- ☐ Methods
- ☐ Procedures

- Equipments, accessories,
- Calibration blocks

7.10. Is a periodic follow-up of the professional experience organized for the certified NDT personnel ?

- Yes
- No

7.11. Is a periodic training organized ?

- Yes
- No

7.12 Where will the training be done ?

- within the company
- outside of the company

NB : Could you add a scheme of the different entities being involved in the NDT personnel certification and their interactions ?

Additional information :

Name :

First name :

Company:

NDT Comittee :.....

Adress :

Country :

E-mail :

Phone number :