Quality management in PTI. Requirements for the European harmonization of PTI. Common protection objectives and efficient evaluation methods

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‘Strategies for improving roadworthiness‘

Requirements for the harmonization of PTI.
Common protection objectives and efficient evaluation methods

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Quality Management in PTI

The 8 Pillars of Roadworthiness Testing

1. Items to be inspected and inspection method;
2. Definition of defects and assessment of result of test;
3. Vehicle classes to be inspected;
4. Frequency of testing;
5. Equipment to be used;
6. Skills and application of staff;
7. Supervision of the testers and enforcement of the system; and
8. Data / information exchange

Source: CITA-Conference 2011 Berlin, W. Nissler
Requirements for the European harmonization of PTI

- In the proposal „Roadworthiness-Package“ you’ll find terms like
  - sufficient
  - high level
  - extensive
  - documented experience or
  - necessary knowledge

- What does it mean? What and how many shall we do? Is it sufficient?

- For an equal and high/advanced level of roadworthiness in Europe clear requirements are indispensable.

- And therefore the demands and processes must be clearly defined.
Competence - System Three

- Education
- Examination
- Entrustment

(15) High standards of roadworthiness requires a high level of skills and competence...
System Threee

Education

Proof of training and relevant experience in PTI for trainer and institute

Pre-check candidate, requirements

According to curriculum
System Threee

Examination

According to curriculum

Theory and practice, supervised or done by the authoric body

Certificate
**System Threee**

**Entrustment**

Performing PTI only as a member of a PTI-company (accredited on EN ISO/IEC 17020)

**Requirements:**
- Certificate of examination
- Drivers licence of all important classes
- Positive reputation/reliability
- No missings on quality
- Proof of independence (conflict of interest)

**Member or employee of a PTI-company requires the agreement of the authorising body.**

**Certificate of further training**

QM-System
EN ISO/IEC 17020
Demands for common rules

Based on a common level

Set by the authorisation, confirming to common rules

Demands on PTI i.E. inspector, expectations

Qualification PTI inspector (what we’ve learned?)

Taught and trained by a training institute or PTI-company

maximum overlap

expectation

curriculum

15-16 May-2013

QM e.V. Kretschmann

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UNIFORM STANDARDS

Input

Catalogue of equal preconditions
Curriculum/Content of training and education
Examination on an equal level

Step

Preconditions
Training/education/theory and practice
Confirmation of sufficient competence (examination)

Responsibility

Candidate for PTI-inspector
PTI–company or training institute in close interaction with the experience of PTI
Approval and supervising by authority
Exchange of experience with other supervising bodies

Competence (required)

Further education on a minimum level, exchange of experience

PTI-company EN/ISO IEC 17020
Supervising authority

QM System
Anual Report

Time before becoming inspector for PTI

Time acting as an inspector for PTI

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Requirements for the European harmonization of PTI.

Common protection objectives and efficient evaluation methods.
Common protection objectives

The 8 pillars describe the priorities

- The objective is a consistently high level of quality of the PTI to increase road safety and environmental protection.

- If uniform requirements are specified, they have to be controlled.

- Requirements which are not controlled, not do lead to the possible improvement.

Quality controls for checking the demands are required to recognize additional potentials → Vision Zero!
Uniform standards for measurement

• Common measurement methods and evaluation criteria are required so that throughout Europe the quality of PTI can be measured and assessed.
• These standards must be accepted by all and are anchored in the regulation or directive.
• An independent body should supervise compliance with this standards, evaluate the results and report to the commission.
Beispiel – Unannounced Re-Inspection of PTI

- You remember, on the CITA congresses in 2009 and 2011, we reported about a system in Germany that continuously measured the quality of PTI in accordance with uniform and accepted standards. The quality tests performed since 2008 have demonstrated significant improvements in quality. Regular evaluations are accepted benchmarks for the supervision.

- → information film
Movie about the system of equal quality checks
Results

- Uniform standards for quality checks have led to equalized quality in competition

- Neutrally performed quality checks have led to significant improvements

- Results and analyses are accepted basis for assessing quality of PTI

Is this a solution for Europe?
Summary

• If we harmonize the PTI in Europe, we have to fix clear requirements with clear contents addressed to
  • PTI-companies
  • Staff
  • Authority bodies

• Independent performed quality checks for all PTI-companies based on standardized proceedings and criteria by measuring and evaluating the results.
Conclusion

Harmonized PTI requires

- Same standards, by performing and supervising PTI
- Uniform quality checks for evaluation
- Supervision by an independent body

- Already achieved quality level should not be lowered by the harmonization
- A further increase of road safety by individual activities must be allowed to achieve the highest possible road safety
Recommendation

- Harmonized PTI and further mutual recognition requires also uniform standards for quality assurance

- Compliance especially can be verified by sampling checks
Thank you for your attention

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