

What is Certification

What is the setup of a certification scheme?

A driving license for a car is equivalent to a DNV certification. In fact, the rules valid for the DNV certification are similar to those for a driving license, see Table 1 for a comparison.

The certification scheme regarding the GRP bonders, - spool builders - pipe fitters, supervisors, and inspectors is operated by an independent and accredited certification body. The certification body shall be acceptable to the principal and authority having jurisdiction in the country of the intended application.

The independent and accredited certification body shall be independent of the organizations that carry out the training. The training courses shall be



conducted by suitably competent organizations. The certification scheme must be accepted, developed, and maintained through structured input and commitment of both end users and manufacturers.

An independent examination committee shall validate the exams and examination methods, The examination committee shall consist of, but not be limited to: experts in the field of installing GRP piping systems, examination experts, and GRP project leaders. This committee must be active and ongoing.

The certification body shall have the authority to issue, suspend and revoke the certificates and shall maintain a public register of all certificates and their status.

The final certificate shall clearly state the certified pressure ratings, diameters, resin type, joint types and manufacturer('s) of the GRP piping systems.

The principal, contractor, engineering company, end user or GRP manufacturer shall take care that only qualified and certified GRP bonders, - spool builders - pipe fitters, supervisors and inspectors are assembling GRP pipes and fittings (assembling=jointing, laminating, etc).

It is "not permitted" to start installation before the GRP bonders, - spool builders - pipe fitters, supervisors and inspectors are trained and certified.

The DNV certification scheme fulfills all the above-mentioned conditions.

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| EXAMPLE | | DNV-GL |
| CERTIFICATE OF COMPETENCE | | |
| Certificate number: | Exam date: 28 May 2014 | Valid till: 28 May 2023 |
| DNV GL Business Assurance B.V. declares that: | | |
| Date of birth: | 6 December 1957 | |
| Place of birth: | den Ham (Overijssel) | |
| Has fulfilled the conditions to be certified as: | | |
| RTR / FRP / GRP Inspector | | |
| Glass reinforced Plastics (GRP/RTR) pipe installations, | | |
| Competence profiles section, Attachment D2-2 | | |
| Date of examination | : 28 May 2014 | |
| Place of examination | : Barendrecht | |
| Country of examination | : The Netherlands | |
| Examination organisation | : DNV supervision | |
| competence is valid only after the certificate holder has signed, as per examination date until validity conditions of this Certificate of Competence are specified in the relevant standard, endorsed by the DNV GL Certification Committee of GRP pipes Attachment D1 and relates to ISO 14692. See reverse side for the information statement by employer and prolongation by DNV GL Business Assurance B.V. Additional information can also be stated in the column "supplementary remarks". | | |
| This agreed and signed, The certificate holder: | Barendrecht, 31 August 2020 DNV GL Business Assurance B.V. | |
| Signature: |  D.B. Scheels Management Representative | |
| <small>This Certificate is property of DNV GL Business Assurance B.V. Misuse will render this Certificate null and void. DNV GL Business Assurance B.V. P.O. Box 9599, 3007 AM Rotterdam, The Netherlands. E-mail: valveksaminatie@dnv.nl. DNV GL Business Assurance B.V. is registered at the Dutch College Bescherming Persoonsgegevens, nr.: m1012137.</small> | | |

Table 1. Comparison of Driving license and DNV certificate.

| Item | Driving licence | DNV certificate |
|--|--|--|
| 1. Defined competence profile | Yes | Yes by the market |
| 2. Defined examination requirements | Yes | Yes by experts in the field of GRP |
| 3. Adjustments of examination requirements in time | Yes | Yes |
| 4. Training | Yes/ driving schools | Yes/trainers (independent or manufacturers) |
| 5. The theoretical and practical part | Yes | Yes |
| 6. More than 1 competence profile | Yes (car, truck, heavy goods vehicles) | Yes (GRP bonder/jointer, spoolbuilder, pipefitter, supervisor, inspector) |
| 7. Validity | Yes (5-10 years) | Yes (2 years) |
| 8. Renewal | Yes | Yes (when proving: worked with GRP) |
| 9. Central public database | Yes | Yes |
| 10. The license can be revoked e.g. due to misconduct | Yes | Yes |
| 11. Appeal | Yes | Yes |
| 12. Written and practical part examination independent | Yes/government | Yes/ ISO 17024 |
| 13. The trainer is NOT the examiner | Yes | Yes |
| 14. Re-exam | Yes, n-times | Yes, n-times |

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