

What is Certification

What is the set-up of a certification scheme?

A driving licence for a car is an equivalent to the DNV certification. In fact the rules valid for the DNV certification are similar to those for a driving licence, see table 3 for a comparison.

The certification scheme regarding the GRP bonders, - spool builders - pipe fitters, supervisors and inspectors must be operated by an independent and accredited certification body, working in full compliance with the ISO 17024. The certification body shall be acceptable to the principal and authority having jurisdiction in the country of 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, 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). Even people who are doing, e.g. "only mixing of adhesive", or "only grinding" or similar shall also be certified. When not certified one is not permitted to assemble a GRP piping system. It is not permitted to start installation before the GRP bonders, - spool builders - pipe fitters, supervisors and

DET NORSKE VERITAS

CERTIFICATE OF COMPETENCE

CERT-12345

DNV Certification B.V. certifies that

Name of the certificate holder	: D.N.V.Nederland
Date of birth	: 22/11/1955
Place of birth	: The Hague
Country	: The Netherlands

Has fulfilled the conditions to be certified as :

INSPECTOR RTR Pipe installations

Competence scheme: DNV Certification program for GRP/RTR Pipe installations & Inspections

The qualified joint types, involved procedures (see page 2), diameters and pressure ranges of the certificate holder are:

Specialization		
Joint type	Diameter range	Max Pressure
Threaded	25-200 mm	1500 Psi
Yellow Box		

Date of examination : 29 January -1 February 2012
 Place of examination : Dammam
 Country of examination : Kingdom of Saudi Arabia
 Examination reference : DNV / Real Vision Technical Services (SA)

This Certificate of Competence is valid only after the certificate holder has signed, as per examination date until February 2014. The validity conditions of this Certificate of Competence are specified in the relevant standard, established by the DNV Certification Committee of GRP pipes Attachment D1. See page 3 for the information statement by employer and prolongation by DNV Certification B.V. Additional information can also be stated in the column "supplementary remarks".

This signed and signed, Barendrecht,
 The certificate holder: For DNV Certification
 BV Signature

DNV Certification B.V. is registered at the Dutch College Businessregister (Protection of personal data) by number 61012137. DNV Certification B.V., P.O. Box 2020, 3907 AB Rotterdam, The Netherlands. Tel +31(0)10 2522810 Fax +31(0)10 4979032, E-mail: info@dnv.com

inspectors are trained and certified.

The DNV certification scheme fulfils all the above mentioned conditions.

Table Comparison Driving licence 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. 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 licence 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. Trainer is NOT examiner	Yes	Yes
14. Re-exam	Yes, n-times	Yes, n-times

Jan Steen MSc.
 Consultant
www.grpcenter.com

 +31 623376194 jan50steen@gmail.com
 Ruisvoorn 43, 4007NE Tiel, The Netherlands

For Middle East:

Dana A. Al – Dossary MD
 Real Vision Technical Services
 +966-3-895-7001 Ext. 100
dana@realvisionts.com
www.realvisionts.com