

**Assessment of
Supervisor and Inspector
Based on the DNV & ISO 14692 certification scheme**



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1. Qualification of Supervisor and Inspector

This document describes the DNV certification scheme regarding the certification of supervisor, and inspector. Competence description and assessment of supervisor and inspector are written down in this document.

History and current developments (2022)

The stakeholders of the first certification committee 2010-2013 which ruled the certification scheme were several oil companies, manufacturers, and contractors. After long discussions and input from the different stakeholders, the certification documents were set up.

An update of the ISO 14692 part 4 is in preparation (2022-2023) again with stakeholders: end-users, manufacturers, and others.

2. Definitions

2.1. Supervisor

The supervisor has the responsibility for the execution of the work and monitors the production and installation phase. The supervisor takes care that bonders, spool builders and pipefitters, and others, are working according to the HSE requirements, (quality) standards, procedures and (where applicable) system design. The supervisor also monitors and drives progress concerning a project schedule.

2.2. Inspector

The inspector monitors and reports independently that the installation of the GRP piping system complies with all the criteria and stipulations defined by the principal in the test and inspection plan. The inspector controls and verifies that the supervisor, bonders, spool builders, pipefitters, and others are working according to the health and safety requirements, standards, procedures and (where applicable) system design.

The inspector will perform and/or approve the final check and reports his findings as an independent expert to the principal.

3. Introduction

The certification scheme is designed for professionals assigned to supervise and /or inspect the installation of GRP piping systems. These professionals carry out their job under all kinds of circumstances and give their guidance/judgment during the installation of a piping system.

The complexity of the systems, the applications, the transportation of the medium, the operational conditions, the safe operation of the installed pipe systems, and international standards are requiring a large amount of up-to-date knowledge.

Risk factors and the variable working conditions are requiring high standards for a correct and professional approach.

The focus group for the certification scheme consists mainly of engineers with experience in fiberglass piping and who have to execute projects with composite piping systems.

4. Training and qualification organization

The certification scheme regarding the candidate supervisor, supervisor, and inspector must be operated by an independent and accredited certification body (=DNV), 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 the intended application.

The independent and accredited certification body shall be independent of the organizations that carry out the training. The certification scheme must be accepted, developed, and maintained through structured input and commitment of end-users, engineering bureaus, and manufacturers.

An independent committee shall validate the assessment methods. The committee shall consist out of, but not limited to experts in the field of installing GRP piping systems, examination experts, GRP project leaders.

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-GRP Inspector or GRP supervisor without any limitations. It is expected that a good professional also knows his limitations

The principal, contractor, engineering company, end-user, or GRP manufacturer shall take care that only qualified and certified, supervisor(s), and inspector(s) are supervising/inspecting the assembling and installation of the GRP pipes and -fittings (assembling= jointing, laminating, etc).

5. The professional competence requirements

The professional competence requirements are under the DNV certification scheme.

The main targets of the certification scheme are:

- Standardization and independent assessing the knowledge and skills of the professionals based on defined end terms.
- Registering of certified personnel by DNV
- Independent monitoring by DNV of the certified people concerning the certification conditions.
- To determine and improve the competence profiles, when necessary.
- Stimulating the permanent education of personnel.

In case you are interested in Certification based on the DNV & ISO 14692 scheme please contact us.

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