

GENERAL SPECIFICATION

Drilling & Wells

GS EP FP 370

Inspector Qualification & Approval Process

04	05/2015	Organisation change – January
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01	09/2009	Update of reference documents
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1. Scope

This document is to define the qualification and approval and derogation process for all inspectors that will inspect equipment that is used by the Drilling and completion departments and surface equipment (i.e. downstream of the flow line connection) managed by Technology departments within the TOTAL group.

2. Reference documents

The reference documents listed below form an integral part of this General Specification.

External Documents

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the effective date of this document.

Reference	Title
API SPEC 5CT	Specification for Casing and Tubing
ISO 11960	Petroleum and Natural Gas Industries – Steel Pipes for Use as Casing or Tubing for Wells
ISO 13679	Petroleum and Natural Gas Industries – Procedures for Testing Casing and Tubing Connections
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products

Total General Specifications

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published in the applicable yearly collection.

Reference	Title
Not applicable	

3. Foreword – General definitions

Definitions

Declaration of competence

Written statement by the inspection company giving an assurance, under his sole responsibility, that the person has attained a level of training, experience and knowledge in inspection that will not compromise TOTAL operations.

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Approved

The final approval process of inspector's to be used for the products described shall only be done by;

- **TOTAL FP / MTH - QAQC** for drilling and completion equipment
- **TOTAL TEC - CQI** for surface equipment (i.e. downstream of the flow line connection)

Glossary

NDE Non Destructive Examination

OCTG Oil country Tubular Goods

4. Pre-requisite qualifications

Inspection Company shall ensure that candidates presented, for qualification leading to a declaration of competence, in accordance with this company general specification, have the necessary training and experience in the applicable inspection field and visual accuracy to perform correctly inspection tasks.

Visual accuracy

The inspection company shall provide for candidate proof of satisfactory vision as determined by an optometrist or other medically recognized person in accordance with the following requirements:

- near vision shall permit reading a minimum of Jaeger number 1 at not less than 30 cm, or equivalent, in at least one eye, corrected or uncorrected
- Color vision shall be sufficient that the candidate can distinguish and differentiate contrast between different colors

The verification of the visual accuracy shall be done annually (12 Months) under the responsibility of the inspection company.

A copy of the proof "certificate" should be kept on file by the inspection company and made available upon request.

Training

The inspection company shall assure that each candidate have successfully completed a training programme in the applicable Inspection field. The training period given should include both theoretical and practical training.

The training program should be agreed with TOTAL and any modification afterwards.

HSEQ rules

Inspection company shall assure that each inspectors know and respect Total HSEQ rules.

Experience

For each TOTAL operational discipline see the relevant annex

Annex 2 for drilling and Completion equipment

Annex 3 for surface equipment (i.e. downstream of the flow line connection)

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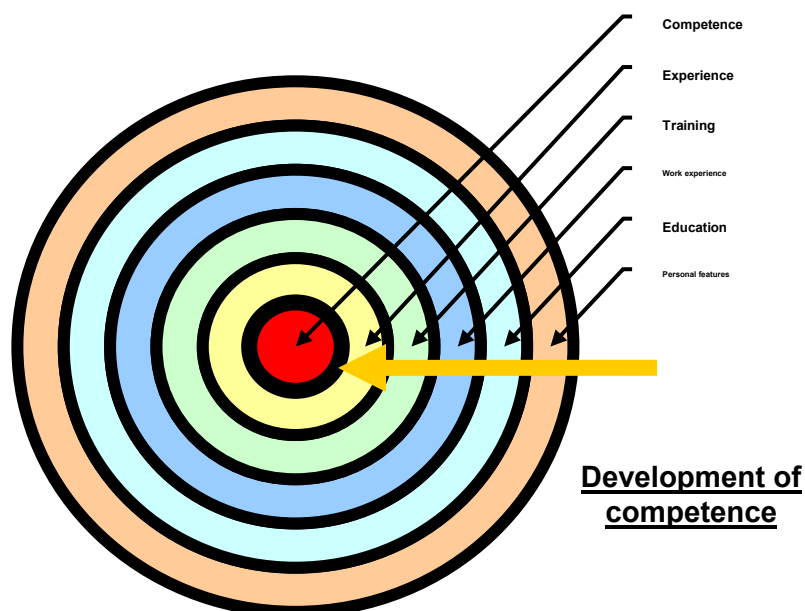
The inspection company shall have in place an evaluation and skills improvement system, for its inspectors, in accordance with all the above qualification pre-requisites. This system shall be audited by Total.

5. Competence and evaluation of inspectors

Confidence and reliance in the inspection process depends on the competence of those conducting the inspection. This competence is based on the demonstration of

- The personal features
- The ability to apply the knowledge and skills gained through the education, work experience, auditor training and inspection experience.

This concept of competence of inspectors is illustrated in **Figure 1.**



Recommended Personal features

The Inspection company shall ensure that their inspectors possess personal features to enable them to act in accordance with the principles of inspection

An inspector should be:

- ethical, i.e. fair, truthful, sincere, honest and discreet
- open-minded, i.e. willing to consider alternative ideas or points of view
- diplomatic, i.e. tactful in dealing with people
- observant, i.e. actively aware of physical surroundings and activities
- perceptive, i.e. instinctively aware of and able to understand situations;