

EDUCATION AND TRAINING, BASIS FOR IMPROVING THE RELIABILITY OF INSPECTIONS

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Inspection reliability is a matter increasingly demanded in all industries. The issue of standards and certification schemes is mainly to achieve this goal. The certification schemes establish the requisites of training, knowledge and experience that the candidate must have to access to the certification examination. The apparition of new technologies and the large number of industrial fields show that it is necessary for the inspector to have a good knowledge and practice base to reliably perform the NDE. For the AEND, the most important of its training courses is that the students understand the fundamental principles of the NDE methods and techniques. In that manner, the students are able to reasoning, understand the problem to solve, and properly design and draft a technique or inspection procedure. Furthermore, the other important activity is practical training, under realistic conditions (including organizational factors and human factors). This allows you to familiarize yourself with the equipment and the execution of the inspection, while identifying its limitations and difficulties and considering a solution to them. This paper discusses the main principles of the education and training courses of the AEND. After this, some examples of specific courses are presented to understand the approach followed in the training courses. Keywords: NDE reliability, training, courses, NDE methods