

### **5.1.10. RUSSIAN AND INTERNATIONAL APPROACH TO CREATION OF INDUSTRIAL SECTORS FOR NDT PERSONNEL CERTIFICATION**

Volkova N., Mullin A., Lagutina S.,  
Research-training center “Testing and Diagnostics”, Moscow, Russia

ISO 9712 and EN473 pay much attention to clear definition of industrial sectors in order to unify the approach to test objects. It is well known that test objects are divided on sector products such as welds, castings, forgings, wrought products, tubes and pipes, or combined into industrial multi-sectors which are combination of some product sectors.

Current Russian NDT personnel certification scheme defines test object as certain type of technical devices: boilers, pressure vessels, pipelines, tanks, piping, cranes, elevators, lifts etc. There are 55 test objects in total. It means 55 sectors. That situation is very difficult both for candidate and certification body. Certification body shall have a lot of test specimens and special questions in each sector. Candidate shall spend a lot of time for exam. Moreover he has to be certified against the rules of safety operation of particular technical device.

In the paper a set of recommendations for harmonization of Russian approach with international one will be presented.