

“Harmonization of the Non-Destructive Testing (NDT) System in Uzbekistan with Requirements of International Standards”.

Dear Ladies and Gentlemen,

Dear Colleagues!

This is a great honour for Uzbekistan Society for NDT and for me personally to have an opportunity to greet the present here Non-Destructive Testing specialists from all over the world.

I would like to speak about Non-Destructive Testing in Uzbekistan.

The NDT System in the Republic of Uzbekistan was formed on the basis of the requirements of Act of Industrial Safety of Dangerous Manufacturing Entities and International Standards. The concept of the NDT System development is described in Decree №271 of the Cabinet of Ministers of the Republic of Uzbekistan. Thus it is functioning in close interaction with State Authority for mining and industry supervision, and the results of the non-destructive testing procedures are the evidentiary basis for expertise of the industrial safety of technical facilities.

SLIDE: Structure of the Uzbekistan NDT System.

The main participants of the Uzbekistan NDT System are:

- “UzStandart” Agency is a national metrology authority providing measurement assurance of non-destructive testing and state metrological control and supervision in the sphere of NDT in accordance with the Republic of Uzbekistan Act of Metrology;
- “SanoatKonTehNazorat” State Inspection is a specially authorized state body in the sphere of industrial safety which establishes compulsory regulations and rules of conducting the non-destructive testing in dangerous production and radiation-dangerous facilities. It also issues permits to NDT laboratories to carry out NDT works in dangerous production facilities;
- Coordination Board coordinating activity of NDT System participants in the sphere of industrial and radiation safety assurance by order of “SanoatKonTehNazorat” State Inspection;
- Accredited NDT laboratories;
- Accredited Training Centers that provide training of NDT specialists;
- Accredited Examination Centers that provide qualifying examinations of NDT specialists;
- Accredited authority providing certification of NDT personnel;

- Certified NDT personnel;
- Organizations using NDT means in their activities.

In the sphere of industrial safety assurance the right to inspect technical facilities by NDT techniques only belongs to the laboratory accredited in accordance with the national accreditation system of the Republic of Uzbekistan and approved as per industrial safety system. In this event, approval means verification of conformity of NDT techniques and industries specified in the field of accreditation of such laboratory, requirements of Safe Operation Rules for the specific industrial facility.

Uzbekistan NDT System is completely accommodated to regulations of the National Certification System, Accreditation System and State System for Ensuring Uniform Measurement. In the event of inspecting the potentially dangerous technical facilities or testing for the purpose of products certification the NDT laboratories are subject to the compulsory accreditation for compliance with requirements of International Standard ISO17025 accepted as a national one (O'z DSt ISO/IEC 17025:2005). Accordingly, personnel of laboratories are subject to certification as per the State Standard - GOST 30 489/EN 473 (authentic version of EN 473:1992).

In Uzbekistan there is functioning NDT Personnel Certification Authority accredited in the National Accreditation System as per ISO17024 and in Accreditation System of Russian Society for non-destructive testing and technical diagnostics. There is also accredited NDT Training Centre and NDT Examination Centre in the Republic.

The main industries in Uzbekistan applying non-destructive testing methods are following:

- Mining and processing industry;
- Metallurgical industry;
- Machine building industry;
- Energy industry;
- Oil & Gas industry and chemical industry;
- Construction industry.

In view of the fact that Uzbekistan is located in the area of seismic hyperactivity, non-destructive testing in the said industries is particularly critical.

Problems in formation of the fully developed NDT System in Uzbekistan are mainly relating to lack of domestic manufacturers of equipment and consumables for non-destructive testing and difficulties concerning import of such equipment and consumables from abroad.

At the Republican NDT Conference held in Tashkent in May 2007 there was decided to establish the Uzbekistan Society for Non-Destructive Testing (UzSNDT), as well as there was approved a text of the Statute and the Council elected. In 2008 the Uzbekistan Society for Non-Destructive Testing was officially registered by the Ministry of Justice of the Republic of Uzbekistan .

The main objectives of the UzSNDT are integration of the NDT personnel, coordination of NDT activity and wide exchange of NDT related information. The established society in Uzbekistan is called to facilitate development of the National Non-destructive testing System, as well as recognition of it on the international level by means of cooperation with NDT Societies of other countries. We have already concluded an agreement of cooperation with Russian Society for Non-Destructive Testing and we gladly welcome other similar offers.

Please visit website of our NDT Society www.ndt.uz for further information and, if necessary, place your promotional information about deliveries and services in the sphere of non-destructive testing.

At the end of last year we, on behalf of Uzbekistan Society for NDT, submitted entrance documents to the International Committee for Non-Destructive Testing to have our Society admitted as a Full Member. We do hope that the forthcoming session of the General Assembly will approve our entrance.

Thank you very much for your kind attention.

Enclosure: SLIDE. Structure of the Uzbekistan NDT System.

STRUCTURE OF THE UZBEKISTAN NDT SYSTEM

