

the  
journal

# ICNDT

## journal

The Official  
Journal of the  
**International  
Committee for  
Non-Destructive  
Testing**

Year sixth – Issue n. 2  
September 2004

The world Organisation for NDT

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# 16<sup>th</sup> Wcndt



16<sup>th</sup> World Conference on  
Non-Destructive Testing  
Montréal, Canada  
August 30~September 3, 2004

1954 50<sup>th</sup> 2004  
ICNDT

Montreal 2004

Anniversary

# CELEBRATING



†Dr Gerold H Tenney,  
ASNT USA, among  
the founders of  
ICNDT. He strongly  
supported the itine-  
rancy of the NDT  
World Conference

50 years of continuous work dedicated to one of the most advanced and updated profession:

### NONDESTRUCTIVE TESTING

Today NONDESTRUCTIVE TESTING is a Science.

**Industry, University, Engineering** are linked to this powerful tool capable of "lighting" the materials in quiet, in motion under stress.

New "voices" are detecting with the equipments of the 3<sup>RD</sup> generation powered with intelligent **post processing software** that give images, rich of data, in expressive colored presentation.

**The Founders of ICNDT** had 50 years ago this vision; they felt the need that only a strong **international cooperation** were able to develop the **potential capabilities** of the early NDT Methods.

Moved by this idea they ground in 1954 the first "nucleo" of ICNDT, in the city of **Antwerp** were an enthusiastic manufacturer of X Ray films **Mr. Gevaert**, invited Scientists and Technicians to discuss their experiences.

Along the years **the fundamental aims**, committed to ICNDT, have been achieved:

- ICNDT is to day the **prime referent** in matter of NDT in the World;
- ICNDT has promoted the **foundation of 62 NDT Societies** in different Countries;
- ICNDT is active in the **international collaboration with ISO, IAEA, ASME, CEN, etc.**;
- ICNDT has promoted the formation of **4 Regional Groups: EFNDT** (European Federation for NDT), **APNDT** (Asia Pacific NDT), **PANNDT** (Pan America NDT), **AFNDT** (Africa Federation NDT);
- ICNDT has assigned the organization of **16 World conferences on NDT**;
- ICNDT has promoted and supported the activity for **30 years** to achieve the **global scheme** for the **Qualification and Certification of NDT Personnel** international recognized.

The ICNDT recommended **Guidelines Ed. 2004 for the Qualification and Certification of NDT Personnel according ISO 9712** distributed in Montreal, is the most complete document in which the requirements of norms (ISO:EN) Authorities (ASME, PED, etc.) **Industry** are fully represented.

The **50<sup>th</sup> Anniversary** celebrates one of the best moment of ICNDT; its dedication to **NDT Societies** has been the key of its success.

A **great thanks** to all **NDT Societies** for their great help in **leading the ICNDT Policy**; a particular thanks to **the people** that with an **inestimable voluntary service** have worked, in the **Working groups**, in the operating **Committee**, at **home**.

A special thanks to **AIPnD** (Italian Society for NDT) for its vital financial support.

Shall be the **day's of Montreal** a source of **enthusiasm** for all of us to continue this **invaluable** work for the benefit of the **International NDT Community**.



General Secretary  
M. Faley



President PGP Committee  
B. Ray



Chairman  
G. Nardoni



Montreal 2004



Antwerp 1954



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# ICNDT RECOMMENDED GUIDELINES FOR QUALIFICATION AND CERTIFICATION OF NDT PERSONNEL ACCORDING TO ISO 9712

*From the ICNDT guide/The Employer certificate for authorisation to work*

## Employer certification checklist leading to operating authorisation to work

Company \_\_\_\_\_  
 Name of operator \_\_\_\_\_  
 Method \_\_\_\_\_ Level \_\_\_\_\_

FAC-SIMILE

Requirement	Evidence	In File
Valid test certificate for visual acuity- J1:		
Valid certificate of unimpaired Colour Vision:		
Work Experience (in months according to level):		
Training Hours – (in hours according to level):		
Successful completion of qualification examination		
Awarded ISO 9712 certification		
Job specific training: Product/materials NDT equipment/systems NDT Instructions/procedures Safety		
Level 3 Acceptance:		

If all Categories are acceptable, then the employer is satisfied that the above named employee is authorised to carry out work for this Company in respect of the Method and Level shown.

## Authorisation to perform Non-Destructive Testing

This Certificate is issued to \_\_\_\_\_  
 of (company X)

FAC-SIMILE

Who has demonstrated that he has successfully met the requirements of the Company Quality Procedure (COMPANY X - DOCUMENT REF) in respect of Education, Training; Work Experience and Examination and is authorised to perform NDT as follows:

Method	Technique	Level	Date of ISO 9712 Certification	Due Date of Re-certification	Signature of authorised company signatory	date

\_\_\_\_\_ signed for the employer by the  
 Company Authorised Person

Date \_\_\_\_\_  
 Name \_\_\_\_\_  
 Position \_\_\_\_\_  
 (see Section 3 of the guide)

ICNDT recommended guidelines for qualification and certification of NDT personnel according to ISO9712 - 2004 Edition

**The employer NDT Written Practice or NDT Quality Procedure is a mandatory document that the Employer has to prepare for his Company (see Section 3 of the ICNDT Guidelines).**



"the World organisation for NDT"

International Committee for Non Destructive Testing

## ICNDT Recommended guidelines for qualification and certification of NDT Personnel according to ISO9712

2004 Edition

Cost of the ICNDT Guidelines: 20 \$-20 € - Request: to ICNDT Secretariat (see pag 7)

### CONTENTS of ICNDT Guidelines

- o Background to ICNDT Guidelines
- o Accreditation of Certification Bodies
- o Employer responsibilities when using Third Party Certification
- o Advantages of Qualification and Certification to ISO9712
- o Draft International Standard DIS ISO 9712.2
- o Requirements of technical knowledge of NDT Personnel

### Appendices

- ASME recognition of ISO 9712/EN473
- Training syllabus international relevance
- Listing of Certification Bodies offering ISO9712 Certification
- Mutual recognition of certification
- Vienna Agreement between ISO and CEN
- Current Major Internationally-used Certification Standards
- Process for Development and Revision of ISO9712
- The Role of ICNDT and Regional Groups in the Harmonisation Process for Training and Certification
- ICNDT Membership Directory

## ROLE OF THE EMPLOYER IN THE CERTIFICATION PROCESS

The certification issued according to ISO 9712/EN 473 is a general certification of the applied sector. The personnel holder of this certification needs before starting the examination in the company authorization of the employer. **The authorization is given through a certification issued by the employer and signed by the person designed by the employer to be responsible for issuing the authorization to operate (see point 7).** This certification is issued after verification of the capability of the candidate to operate correctly on the products with the required skill according the requests of specifications, codes etc. The verification shall be documented.

### Recognised by ASME



If a Manufacturer prepares his written practice for ASME Code related examination in such a way to establish ISO 9712 / EN 473 as his method of certification then there would no need for double-certification  
 Extract from ASME Document ASME Comments on the EC 2002 Report on United States Barriers to trade and Investment (January 16, 2003)

## ARTICLE 1 GENERAL REQUIREMENTS



### T-120 GENERAL

- a) Subsection A describes the methods of non-destructive examination to be used if referenced by other Code Sections or referencing documents.
- b) Subsection B lists Standards covering non-destructive examination methods which have been accepted as standards. These standards are non-mandatory unless specifically referenced in whole or in part in Subsection A or as indicated in other Code Sections or referencing document.

- f) **National or international central certification program (ACCP)<sup>1</sup>, may be alternatively used to fulfil the examination requirements of the documents listed in T-120(e) as specified in the employer's written practice.**

(1 - ACCP is aligned with ISO 9712)

# THIRD PARTY CERTIFICATION IN THE WORLD according to ISO 9712 is strongly increasing

**300.000** is the average number of certificates issued by the certification centers acting in the different Countries

CERTIFICATED NDT PERSONNEL IN THE WORLD according ISO 9712/EN 473 - July 2004					
Regional Group	Country	Organisation	Level 1	Level 2	Level 3
<b>PANNDT</b> <i>Pan America NDT</i>	ARGENTINA		0	622	0
	BRASIL		792	3610	140
	CANADA		2300	8000	3500
	USA	ASNT/ACCP	0	4027	
<b>Total Pan America</b>			<b>3092</b>	<b>16259</b>	<b>3640</b>
<b>EFNDT</b> <i>Europe Federation NDT</i>	AUSTRIA	ÖGfZP	3973	2840	996
	CROATIA		411	641	38
	GERMANY	DGZfP	4423	7711	1964
	HUNGARY		1806	2538	204
	ITALY	CICPND	1882	10365	1099
	NORWAY		75	3750	450
	POLAND		21	650	45
	SLOVENIA		100	166	18
	SWEDEN		No data		
BELARUS, BELGIUM, BULGARIA, CZECH, FRANCE, ROMANIA, SPAIN, RUSSIA, SERBIA, SWITZERLAND, UK			14906	66000	3461
<b>Total Europe</b>			<b>27597</b>	<b>94661</b>	<b>8265</b>
<b>APNDT</b> <i>Asia Pacific NDT</i>	AUSTRALIA	AINDT	94	945	57
	BANGLADESH	NCB	128	137	0
	CHINA	ChSNDT	12000	23000	1300
	INDIA	ASNT/ISNT/IAEA	6000	10000	500
	NEW ZEALAND	HERA	100/year		
	PAKISTAN	PAEC	952	335	27
	PHILIPPINE		15	311	105
	VIETNAM	VANDT	117	85	0
<b>Total Asia-Pacific</b>			<b>19339</b>	<b>34846</b>	<b>2022</b>
<b>AFNDT</b> <i>Africa Federation NDT</i>	TUNISIA		295	154	23
<b>Total Africa</b>			<b>295</b>	<b>154</b>	<b>23</b>
<b>Grand Total</b>			<b>50290</b>	<b>145887</b>	<b>13917</b>

The ICNDT Journal, continuing the overview on certification around the world, lunched a call to all NDT Societies with a view to collect data to be discussed at the ICNDT Seminar on ISO 9712 scheduled in Montreal during the 16th WCNDT. The aside table summarises the results obtained from replies.

## PHILIPPINE

Philippines have the national standard on the qualification and certification of NDT Personnel. The original standard PNS-146:1987 was adopted from draft ISO/9712-1987 in 1987. PNS-146:1987 was revised in 1998 adopting the draft ISO/9712-1997 and was renumbered PNS-146:1998. The same national standard PNS-146:1998 is now being revised to adopt ISO/DIS9712-2003 Edition. This will be renumbered PNS/ISO-9712-2003 when approved. During the implementation of the national standard, from 1987 to 2004, the 3-member National Certifying Body for NDT [NCB] issued the following number of NCB certificates after the applicants passing the national certification examinations in each NDT method and level of proficiency (composed of 2 written examinations and 1 practical examination and conducted by a Level 3 examiner). Per requirements of PNS-146:1998, the validity of the certificates is 4 years from the original 2 years as required in PNS-146:1987. In the revision of PNS-146:1998, the validity will be 5 years as reflected in ISO/DIS9712-2003. Some local NDT companies providing NDT services are still certifying some of their personnel per ASNT-TC-1A but statistics are not available since such certifications is no longer effective when the NDT personnel transferred to another company.

ALEJANDRO J. MATEO

## PAKISTAN

NDT certificates issued by PAEC board for certification in accordance with scheme for certification of NDT personnel which is based on ISO 9712.

We have no knowledge of any other system of certification existing in the country. Most probably there is none.

Asghar Ali Khan

## VIETNAM

In Vietnam there are many organization be allowed to train and issue the qualification and certification of NDT personnel, so it is difficult to total up the number of certificates. However, VANDT still bring forward the number of certificates issued by VANDT as follows:

1. Number of certificates according to ISO9712/EN473 (for level 1 and 2)

Level 1: UT = 42; RT = 32; MT = 23; PT = 16; ET = 4  
Level 2: UT = 31; RT = 25; MT = 18; PT = 11

Up to now, we have never trained any level 3-NDT-Personnel. We hope that VANDT and ICNDT will cooperate to organization many course on level 3 NDT in Vietnam in the future. In July VANDT going to organization a course on NDT (UT, RT, MT, PT (level 1 and 2)) therefore the number of NDT personnel are issued certificates by VANDT will increase considerable. About the number of certificates according to other schemes issued in our country, we have not had statistics about them.

Dieu Hong

## UNITED KINGDOM

There have been over 50,000 PCN (EN473/ISO9712) certificates issued over the past 12 years. There are presently 17,000 valid PCN certificates held by 7.668 individuals working or residing in over 50 countries worldwide.

John Thompson

## HUNGARY

I can collect the numbers what you have required. The results are:

Number of certificates according to EN 473 issued in Hungary For level 1: 1806 persons,

for level 2: 2538 persons,

for level 3: 204 persons.

Number of certificates according to other schemes issued in Hungary: 0. (No other schemes exist in Hungary.)

Ferenc Fücsök

## BANGLADESH

In order to build up a strong and effective infrastructure of local NDT practitioners at international standards and to attain self reliance in the field of NDT technology, NDT training program has been taken up through the adaptation of ISO-9712 in Bangladesh. A National Certifying Body in the name of "NDT Personnel Certification Committee (NDTPCC)" has been constituted with the representatives from BSNDT and other different organizations with the approval of the Govt. of Bangladesh. Bangladesh Atomic Energy Commission has been organizing the National NDT certification courses in active collaboration with NDT Personnel Certification Committee and NDT Academic Committee since 1986. Under this program 265 personnel are trained to NDT level 1 and 2 through 27 National NDT Certification Courses

Jafar Sadique

## GERMANY

Enclosed there are the corresponding data for the Certification Body of DGZfP. Please note, that there are other Certification Bodies in Germany. The numbers of those are not available to us. In addition, the Certificates associated with the European Pressure Equipment Directive in the table are associated with EN 473.

Rainer Link

## NORWAY

In Norway there are two centres for NDT certification. We (the secretariat for the Norwegian NDT Society) has ask these two certification bodies to reply to us regarding your questions, but I have not succeeded in receiving the information you ask for. They claim it is too difficult to extract the data (high degree of mix between the Nordic countries), so the best I can do to help you is to make some rough estimates regarding NDT certificated issued to Norwegian NDT personnel (regardless if the certificates have been issued in Norway, Sweden og Denmark). The best would have been to summerize the "EN 473/Nordtest-issued" (the Nordic countries) certificates as one area.

Peer Dalberg

## USA

In response to your request, I am pleased to provide information regarding certifications issued by ASNT. There are several points, however, that must be understood regarding the data. First, these are for the certifications issued by ASNT. As such, they encompass personnel in 67 countries, not just the USA. Conversely, the data does not include certifications issued by other organizations for personnel in the USA. The largest group of these would be employer-based certifications, which are common in the USA. It should also be noted that ASNT does not issue certifications for Level I personnel. With these notes, you will understand that the data does not exactly address your request, but it is the information that I have and I hope that it will be useful.

As of June 30, 2004:

ISO 9712 based 4,027 ACCP certificates in 9,897 methods

Other schemes 4,128 ASNT NDT Level III certificates in 11,240 methods

Total 8,155 certificates in 21,137 methods

Wayne Holliday

## CHINA

Our Society plans to implement GB 9445-2003 (National Standard) which is identified to ISO9712-1999 from July 1st 2004. But unfornataly, it has not been approved by our National Standard Bureau till now. We were told it might be approved by the end of this year. We are now adopting National Standard of GB 9445-1999, which has a little revise of ISO 9712. Our Society has issued the certificates of Level I is about 12000, Level II is about 23000 and Level III is about 1300. Our Society holds National Conference once three or four years, the coming one will be in 2008 and the training class, all the year round. Each branch society (almost every province one branch) runs one training center, and carries out the training class of Level I and II. Only Society Certification body does training class of Level III, one or two times a year. We have members about 100000, 200 of them are corporate members, others are individual.

Ya Qing Zhu



# NDT SOCIETY PROFILES

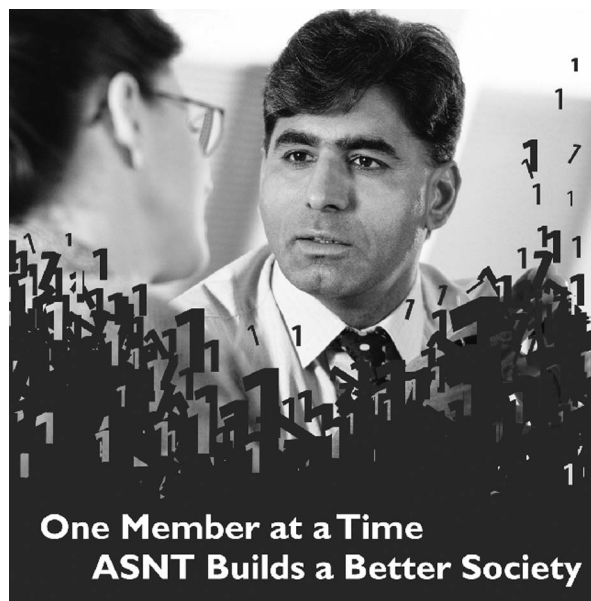
## USA USA

### What's New from ASNT? Find out at WCNDT Booth 1314



...creating a safer world.

See why *One Member at a Time ASNT Builds a Better Society*. Visit the ASNT booth to discover for yourself what the resource for NDT information has issued recently. Check out the publications: five volumes of *Third Edition Non destructive Handbook* series including the recently published *Electromagnetic Testing*; first of the *new Classroom Training Books, Magnetic Particle Testing*; the highly regarded research journal *RNDE*; pick up copies of *Materials Evaluation* and *The Nondestructive Technician*. Learn about ASNT's ANSI/ISO 17024-accredited certification programs: ASNT NDT Level III; ACCP Level II and Professional Level III; IRRSP. Get program, topic and registration information for: Fall Conference and Quality Testing Show 2004 in Las Vegas; Spring Symposium 2005 in the Land of Enchantment, New Mexico; JSNDI in Maui, Hawaii, and ICPIIT, Houston, Texas both in 2005.



One Member at a Time  
ASNT Builds a Better Society

## CHINA CHINA

It is a great honour that we were awarded the 17th WC-NDT to be held in Shanghai, China in 2008. I had a meeting of our board of directors in March 2004 on preparing 17th WCNDT. We now have set up our constructions of 17th WCNDT. I was appointed as the president of 17th WCNDT. Dr. Shen Jian Zhong, the president of this term will be the Chair of the Conference. Dr. Xu Yong Chang, Executive director will be the general secretary of the conference. Dr. Cai An Ding Vice president of ChSNDT, will be the Chair of the Organization Committee, and Ms. Zhu Ya Qing, deputy executive director will be the Chair of Exhibition.

Yours sincerely,

Dr. Rong Sheng Geng, President of 17 WCNDT

## SOUTH AFRICA SOUTH AFRICA

### Registration and licensing of NDT practitioners in South Africa

In South Africa the control and registration on Engineering Personnel is vested in the Engineering Council of South Africa (ECSA), which is constituted by an act of parliament. The Act was recently amended to also put the control of Certification Systems in other disciplines, which on their own would not qualify personnel to register as Professional Engineering Technicians, Professional Engineering Technologist or Professional Engineers, under the auspices of ECSA.

As a result of these developments ECSA agreed to establish

the Certification Body for Non-Destructive Testing Personnel as one of the services offered by them to the industry in South Africa. Working committees have been established and it is anticipated that the Scheme, which will be in line with ISO 9712, will be put to the Council for approval early in 2005. ECSA will be audited by the South African National Accreditation Service (SANAS) to establish compliance to EN 45013 viz. ISO 17024. In addition to these requirements, the Unit Standards for Non-Destructive Testing, which define both the intent and content of training programs and courses, must be put into place for approval by the South Africa Qualification Authority.

ECSA will establish the National Register for NDT personnel as part of their functions as the Certification Body for NDT personnel in the RSA. The Act under which ECSA is established does however also compel ECSA to identify critical areas, particularly areas where public health and safety is affected, and to issue licenses to operate to registered personnel for these identified categories of work. For NDT these reserved categories must still be identified. It is anticipated that a number of these reserved categories will be identified by the various industrial sectors, which are co-operating in putting the system into place.

These developments will ensure that in South Africa the certification of NDT personnel is taken to the next level and put the certification of NDT on par with first world countries. The requirements of ISO 9712 and ISO 17024 will be fully met, and, in addition, NDT training will form part of the National Qualification Framework defined for South Africa. The South African Qualification and Certification Committee (SAQCC) has been operating a qualification scheme for NDT operators since 1985. This scheme was in essence in line with the requirements of ISO 9712 and to date approximately 2500 candidates have been issued with certificates since the inception of the scheme.

## CZECH REPUBLIC CZECH REPUBLIC

### Czech Society for Non-Destructive Testing CNDT

CNDT is a non-profit association, the aim of which is to promote the development and application of non-destructive testing (NDT) in the Czech Republic.

The main goals of the association are as follows:

- scientific and technological undertakings
- conferences, seminars and workshops
- co-operation with organisations with the same aims, both domestic and international
- organisation of activities aimed to education, qualification and certification of workers in the area of non-destructive defectoscopy
- publication activities in NDT Welding Bulletin (ISSN 1213-3825)
- counselling and expert activities
- taking part in creating and application of standards
- support of young workers (it enables them to take part conferences abroad and it ensures them contacts with foreign workplaces).

CNDT is organised on regional and professional principles and it is divided into 6 regional and 6 technical groups (transport, acoustic emission, noise and nonlinearity testing etc.). The Society has about 500 individual and collective members and 15 firm members. The most important NDT event organised this year will be the 34<sup>th</sup> International conference and exposition **Defectoscopy 2004** (November 3-5, 2004, \_pindleruv Mlyn). The International Workshop **NDT in Progress 2005** will be the third event in a serie started in 2001. The primary aim of these workshops (organised in cooperation with DGZfP) is to meet together NDT world experts and discuss the latest state-of-the-art of the NDT research and development. Although the workshop is intended for a limited number of participants, the young researchers (students) are also invited to present their findings.

Detailed information can be found on CNDT web address: [www.cndt.cz](http://www.cndt.cz)

## RUSSIA RUSSIA

### NDT RUSSIA 2005: NEW VENUE AS THE EXHIBITION SPACE INCREASES

The 3<sup>rd</sup> Russian International Exhibition and Conference for NON-DESTRUCTIVE TESTING EQUIPMENT AND DEVICES, has again proved to be the premier event in its sector in Russia and CIS countries. **NDT RUSSIA** exhibition took place March 17<sup>th</sup> - 19<sup>th</sup> 2004 at World Trade Center in



Moscow, the conference was run alongside the exhibition in the WTC conference hall with 250 delegates attending. The EFNDT board meeting was held on the March, 19<sup>th</sup> at the RSNDDTD office, allowing the board directors to visit the exhibition and speak at the conference. Over 150 companies from 12 countries exhibited, of which 25% were first time exhibitors. The event was supported by Ministry of Industry, Science and Technologies of the Russian Federation, Moscow Government, Ministry for Economic Growth and Development of the Russian Federation, Federal Mining and Industry Inspectorate, Russian State Committee for standardization and metrology as well as the International Committee for Non-Destructive Control (ICNDT), European Federation of Non-Destructive Control (EFNDT) and International Metallurgist Union. At the ceremony of the official opening the President of Canadian Society Prof. Douglas Marshall said, that "he is really impressed with the level and size of the exhibition, number of both exhibitors and visitors".



The exhibition NDT RUSSIA is well known internationally - this year the organizers will participate in World Congress for NDT, which will take place at Montreal, Canada in September, 2004.

## ITALY ITALY

### AIPnD - THE ITALIAN SOCIETY FOR NDT

The Italian Society celebrates this year its 25<sup>th</sup> anniversary. Founded in 1979 by a small group of willing people it increase, step by step, its membership up to the current one of more than 1200 individual member and 400 corporate.

Its main aims are the promotion of scientific and technical knowledge in the NDT field through information and education. It takes care of the preparation and dissemination of specific educational books for any NDT method. It organizes training courses for III level examination.



AIPnD Board of Directors meeting: Milano 8 may 2004

AIPND promotes and organizes national and international events like conferences, seminars, meetings related to NDT field including mechanical industry, civil engineering, thermal and nuclear energy, instrumentation, transportation, conservation and restoration of art works.

AIPND is one of the founder member of the Italian National Certification Body (CICPND) and chairs the Examination Technical Board.



The Italian Society is member of EFNDT and ICNDT; its President is currently Chairman of ICNDT.

**AIPND is organizing the 8<sup>th</sup> Internationale Conference of NDT applied to works of art.**

Place: Lecce (Italy) 15-18 may 2004

## BANGLADESH

**Bangladesh Society for Non-Destructive Testing (BSNDT)**



Considering the importance of NDT technology in Bangladesh and to build up a strong and effective infrastructure of local NDT Practitioners at international standard,

Bangladesh Society for NDT was formed on 19 November 1990. Presently, there are 215 members of different categories and 14 corporate members.



Till now BSNDT conducted 14 different NDT courses, one joint workshop with ISNT and a number of seminars to promote this technology in Bangladesh. BSNDT secured its ICNDT membership in 1996.

BSNDT also signed bi-lateral agreements with number of NDT societies around the world. On March 19, 2004 BSNDT celebrated its 12<sup>th</sup> Annual convention with a technical seminar and 'BSNDT Award' was accorded to 2 individuals and 2 Enterprises for the year 2000 & 2002.

## GERMANY

The "Deutsche Gesellschaft für Zerstörungsfreie Prüfung" (DGZfP – German Society for Non-Destructive Testing), founded in 1933, is the oldest NDT society of the world. It operates as a technical-scientific association on a non-profit-making basis. In accordance with the statutes, it has the purpose of promoting training and further training, science and research in the area of non-destructive testing. It organises the communication between research and development institutes and NDT users, apparatus manufacturers and service providers. At the moment, the DGZfP has 900 personal and nearly 500 corporate members.



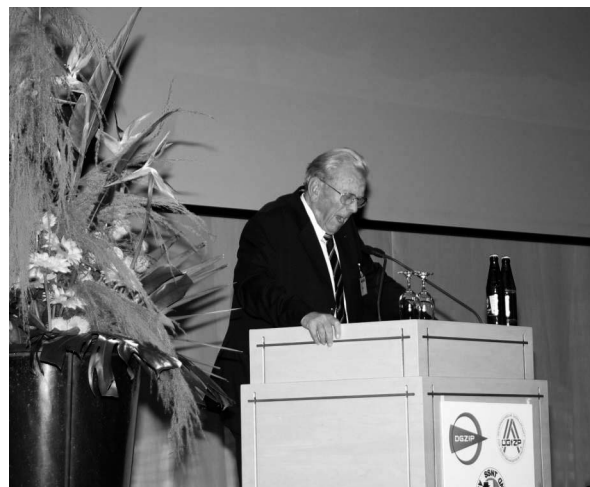
The acting Board of the DGZfP (v.l.n.r.): Jörg Völker, Dr Franziska Ahrens, Wilfried Hueck and Dr Rainer Link as Managing Board Member.

The work focuses on: training and further training; issuing certificates of competence; conducting conferences and seminars; publishing professional literature and – together with the ÖGfZP (Austria) and the SGZP – the German language 'NDT-Journal' five times a year; regular professional further training in 19 regional working groups; consulting on setting up qualification and certification systems in the area of non-destructive testing within the framework of EU projects; drawing up and harmonising standards and guidelines at national and international level; setting up and maintaining information services on the Internet.

The DGZfP is a founding member of the EFNDT and provided the first president, Prof Dierk Schnitger, from its ranks. The German society was also present in London in 1963 when the "Guidelines of the Standing Committee for International Cooperation in the Area of Non-Destructive Testing", the predecessor of the ICNDT, were decided. Every year, the DGZfP awards the Berthold Prize and the Schiebold Commemorative Coin, each with a prize money of 4,000 euros. Furthermore, the Society awards honorary pins to up to three members a year, who have rendered outstanding services to the development of the DGZfP as well as to foreign NDT experts for their services in international NDT cooperation.

The DGZfP on the Internet: [www.dgzfp.de](http://www.dgzfp.de) and in English: [www.dgzfp.de/en/](http://www.dgzfp.de/en/)

## AUSTRIA



Each three years the NDT Societies of Germany, Switzerland and Austria (D.A.CH.) organise a great NDT-conference. More than 600 participants from these three countries and from the new EU- countries took part. President Salcher from the Austrian society for NDT welcomes the NDT- specialists at the opening ceremony of the DACH-conference in Salzburg (picture below)

Treasurer Gerhard Aufricht, member of the ICNDT EXECUTIVE COMMITTEE check the accounts of the ICNDT secretariat, by checking the accurate record of the expenditure which are correctly incurred by the Italian Society, in Brescia, June 30<sup>th</sup>.

## GREECE



Cnossos, 3<sup>rd</sup> ICNDT of HSNT, Chania Crete, October 15-18, 2003

The Hellenic Society of Nondestructive Testing (HSNT), was founded in 1987. Today, HSNT encompasses more than 400 members who come from the universities and industries of the country. The main purposes are: to promote the NDT in Greece, to organize lectures and training seminars, to promote theoretical and applied research and publish the results, to keep the members up to date in NDT technologies with publications and to cooperate with similar societies worldwide. Now it is in the last step to be accredited as National Independent Certifying Body according to EN 45013, for Qualification and Certification of NDT personnel in Greece. Until today it organized or co-organized 3 International Conferences (the last one on October, 15-18, 2003 in Chania Crete) and 4 National Conferences.

**The HSNT President: Ioannis N. Prassianakis**

## MALAYSIA

Malaysian Society for Nondestructive Testing (MSNT) was officially established in December 1989. Currently it has a

total of 155 individual members, 33 life members, 7 student members, 1 practitioner member and 46 corporate members. The main purpose of its establishment was to unite members of NDT community under an umbrella so that their knowledge and experience can be shared and used to further develop the level of NDT technology in the country. The Society is run by 10 members of Board of Directors and backed by 2 committees namely 'Technical and Training' and 'Publication committees'. Since its establishment, the Society has successfully published a total of 17 issues of its official newsletter. In addition to publishing newsletter as a medium for interaction between members, the Society has also successfully organized a number of seminars and workshops, technical visits, dialogues and trainings (in preparation for certification examination) for its members.

**Abd. Nassir Ibrahim,**  
President of Malaysian Society for NDT (MSNT)



President of MSNT delivering a keynote address in one of the seminar organized by the MSNT.

## ECUADOR

The Ecuadorean network for NDT is formed by a group of engineers and technicians involved in this activity. The network is sponsored by the Escuela Superior Politécnica del Litoral (ESPOL) in the city of Guayaquil. ESPOL is an institute of higher education recognized by its excellence in Ecuador and abroad. The network develops its activities in the facilities of the Department of Mechanical Engineering of the ESPOL. Currently the network is formed by about 15 individual members and 3 corporate members, including companies offering NDT services. We keep a close contact with universities and professional bodies of engineers to conduct training courses and seminars in NDT, welding and related areas.

**Omar Serrano**  
Coordinator Ecuadorean Network for NDT

## PHILIPPINES

The **Philippine Society for Nondestructive Testing, Inc. [PSNT]** is the professional and technical organization composed of engineers, technologists, professionals, technicians engaged in and/or interested in the practice of NDT in the Philippines. It was organized in September 28, 1979 and is registered with the Philippines' Securities and Exchange Commission (SEC) as a non-profit, non-stock organization. PSNT was established to advance the scientific, engineering, and technical knowledge in the field of NDT through research, education, seminars, workshops. PSNT also established NDT standards and model procedures in NDT. At present, it has a membership of about 500 individual members and 49 corporate members. PSNT conducted NDT trainings in PT, MT, UT, RT, ET in the 3 levels of proficiency; Level 1, Level 2, Level 3. PSNT also oversee the certification of NDT personnel through the National Certifying Body for NDT [PHIL-NCB] in accordance with the Philippine National Standard, PNS-146:1998. To date, PHIL-NCB has certified about 200+ NDT personnel in Levels 1, 2 and 3. There are about 18 Level 3 in the 5 NDT methods. To date, PNS-146:1998 is being revised to conform with the ISO/DIS9712-2003 standard. PSNT will hold its 19th Annual Convention in November 2004. PSNT also publish a **technical journal "EVALUATOR"** which is given to the membership during the annual convention. PSNT has professional relations with ASNT, CSNDT, ASNDT, JSNDT, ICNDT as well as with the local national professional societies for the exchange of information and expertise.

**Alejandro J. Mateo**  
Secretary, PSNT



## ISRAEL

### ISRANDT REPORT TO ICNDT

ISRANDT – Israel National Society for NDT is a professional society with nearly 250 members. The Society is a member at ICNDT, recognized by EFNDT, and is a member at SEEM – South East Europe and East Mediterranean organization of NDT societies. The Society dedicates most of its efforts to the certification of NDT workers. The Certification Body of ISRANDT is ISRACERT. A European accreditation body - SINCERT, ITALY, accredited it. ISRACERT complies with EN45013, EN473 and ISO9712. TUV recognize the Society's certification to comply with the European Directive for pressure equipment.



Usually ISRACERT conduct examinations once a year. The examinees, Society's funds and contributions from industry cover the costs involved. In order to reduce the economy burden the Society intention is to increase the number of examinees by collaboration with other interesting parties. It will require expansion of the scope of NDT beyond the "classic" methods. Presently we are improving the certification program to comply with the new versions of EN473 and ISO9712 and with ISO17024. 30 certificates were issued by ISRANDT according to ISO9712/EN473. 15 were issued by ISRANDT according to the European Directive for pressure vessel and equipment under the agreement TUV Essen, Germany.

## ARGENTINA



Cesar Belinco, President of AAENDE, the new reformed "Asociacion Argentina de Ensayos No Destructivos y Structurales", and President of Pan-America Committee for NDT

## NEW ZEALAND



Les Dick (right), new President of 12nd A-PCNDT to be held in New Zealand on 2005

## UKRAINE



Greetings from the Ukraine NDT Society

## BRAZIL



25 anos de conquistas

Dear Sir,  
Considering the special relationship between our Societies, we are very pleased to invite you to participate in our ABENDE NDT Conference – July 12 to 14, 2004 in São Paulo – Brazil to celebrate ABENDE's 25th birthday  
The celebration will be on July, 12 at 4:00pm in the conference venue Centro de Convenções Frei Caneca, Rua Frei Caneca nº 569, in São Paulo – Capital. You are also invited to attend the official dinner, at 8:00pm in the Rubaiyat Restaurant, Alameda Santos nº 86 - Paraíso - São Paulo – SP. The Conference language will be Portuguese. There will be no translation. I would be very glad to receive your confirmation. If you are able to participate, please send back the registration form filled in at your earliest convenience. This invitation includes the conference fee.  
Sincerely yours.

Edson Vasques Moreira  
President

# AFRICA FEDERATION FOR NDT Membership Directory

During the 16 WCNDT in Montreal 17 NDT Societies of Africa will present the AFNDT (Africa Federation of NDT) South Africa has forwarded the application to ICNDT for the organisation of the 18 World Conference on Nondestructive Testing in 2012

Country	Name	E-mail
Tunisia ( PSC )	Mohamed Ferid Herelli	herelli.f@sncft.com.tn
Algeria	Mourad Zergoug	mzergoug@yahoo.com
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Zimbabwe	Ndabezinhle Dube	nddube@eng.zu.ac.zw



Mr Herelli ICNDT delegate of Tunisia and vice chairman of AFNDT



During the 16 WCNDT in Montreal, representatives of 17 NDT Societies of Africa will ground the AFNDT (Africa Federation for NDT). South Africa is asking the organisation of the 18 World Conference in 2012.



Nigeria Bonny isle naturale gas tank

Niger river, liquid gas transportation ship





# ICNDT Financial Accounts (Euros)

SECRETARIAT	Year	ACTUALS 1999	ACTUALS 2000	ACTUALS 2001	ACTUALS 2002	ACTUALS 2003	ACTUALS 2004
Durable Equipment		0	0	2916,26	1255	0	0
Maintenance		0	0	309,87	301	50	0
Phone		0	0	671,16	936	1333	551
Internet				361	361	361	0
Printing of Documents (guida)		1260,15	4446,18	63,21	4641	637	5800
Mail (sped. guida)		0	2272,41	672,63	0	400	2500
Consumables		0	2076,16	61,97	75	62	0
Cost of personnel (compensi)		6510,04	7538,98	2852,39	11284	9499	5658
Reikburs. and subsistence		672,69	1048,92	1168,74	384	145	128
<b>Totals</b>		<b>8442,88</b>	<b>17382,65</b>	<b>9077,23</b>	<b>192,37</b>	<b>12487</b>	<b>14637</b>

ICNDT Journal	Year	1999	2000	2001	2002	2003	2004
Printing (2 journal)		11349,14	9531,21	3486,08	4103	5923	5926
Mail and shipment (sped. journal)		2444,83	2455,75	1070,16	1866,60	1942	2180
<b>Totals</b>		<b>13793,97</b>	<b>11986,96</b>	<b>4556,24</b>	<b>5969,60</b>	<b>7865</b>	<b>8106</b>

MISSION	Year	1999	2000	2001	2002	2003	2004
Chair (Montreal)		854,74	2754,26	14984,12	3035	5540	1500
Secretariat (Montreal)		1713,09	0	2202	2853	0	1500
Members		0	5336,7	1175,1	2251	494	0
<b>Totals</b>		<b>2567,82</b>	<b>8090,97</b>	<b>18361,22</b>	<b>8139</b>	<b>6034</b>	<b>3000</b>
<b>Gran Totals per years</b>		<b>€ 24.804,67</b>	<b>€ 37.460,58</b>	<b>€ 31.994,69</b>	<b>€ 33.345,60</b>	<b>€ 26.386,00</b>	<b>€ 25.743,00</b>

**Total expenditure years from 1999 to 2004: € 179.734,54**

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ICNDT Chairman, in IRAN for job has presented to the new engineers ICNDT and the Journal.

### ICNDT Secretariat

All are invited to contribute with news, foto, information, etc. to the ICNDT journal



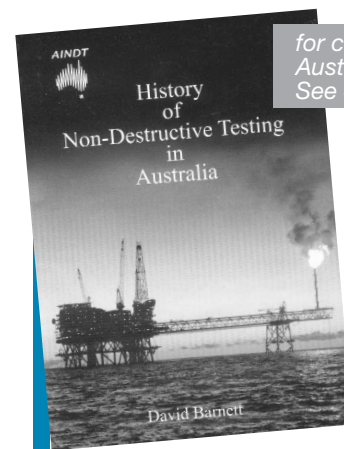
S. Ghia    E. Rochfort

### 17 WCNDT CHINA 2008

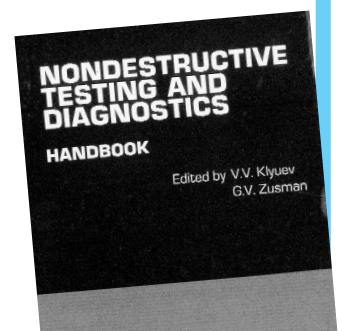


Hello!  
We are ready!  
"Come to our stand in Montreal"

Mrs Zhu and Mr Guo of China Society for NDT will organize the 17 WCNDT



for copy: request to AINDT Australia Institute for NDT See directory pag 8



Cost of handbook: 20 \$ - 20 € request to RSNDT - Russia Society for NDT and Technical Diagnostic See directory pag 8

Audit on ICNDT economic documents Brescia (Italy) July 2004



G. Aufricht (OSNDT) treasure of ICNDT at the secretariat with Mr Ghia to verify the ICNDT expenditure, income and balance. Results: Conform

### ICNDT Secretariat

attention to Mr Ghia

Via Foresti,5 - 25127 Brescia, Italy  
 Phone +39 030 3739 173, Fax +39 030 3739 176,  
 E-mail: [icndt@icndt.org](mailto:icndt@icndt.org)

Send this form and you will receive the ICNDT Journal

# ICNDT DIRECTORY TO DATE

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BANGLADESH	M BSNDD-Bangladesh Society for NDT	c/o NDDDivision, Atomic Energy Centre 4, Kazi Nazrul Islam Avenue, Ramna	Dhaka	Dhaka-1000	+880 2 509 498	+880 2 861 3051 (att.BSNDD)	bsndt@dhaka.net
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BRASIL	M ABENDE- Associação Brasileira de Ensaio Não Destrutivos	Rua Guapiacu, 5 - Vila Clementino	Sao Paulo-SP	04024-020	+55 11 5071 0400	+55 11 5581 1164	info@abende.org.br
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