

The Official Journal of the

International Committee for **Non-Destructive Testing**

Year sixth – Issue n. 1 May 2004

The world Organisation for NDT

ICNDT REGIONAL GROU

BASIC AND STRONG FORCES FOR A SYNERGIC EFFORT IN DEVELOPING AN ACTUAL GLOBAL NDT COMMUNITY

The ICNDT Regional Groups are grouping national NDT Societies of large geographical parts of the world, like Americas, Europe, Asia and, in the near future, Africa. They are giving a strong contribution to shape a real world wide NDT community, as they are able to better evaluate and give evidence to local realities and needs in terms of technical problems as well as of human resources. Theirs activities provide an irreplaceable help to the ICNDT policy. The successful NDT Conferences recently held in Rio de Janeiro, Brazil (organised by PANNDT- Pan American Group) and in Jeju, Korea (organised by APNDT- Asia/Pacific Group) are testifying the efforts made by these Groups in spreading out NDT Technology and for the technical benefit of involved people.



Balden Ray President of PGP



C. Belinco Committee for NDT



M. Farley President of the Pan America President of EFNDT

The incoming 16th WCNDT in Montreal, with the General Meeting of ICNDT and voting for renewal of ICNDT Officers, is the most important appointment for NDT people. Don't miss it! It will offer a great moment of aggregation for all: Individuals, Societies, Regional Groups. In one word: the ICNDT!

The development and improvement of ICNDT is strictly connected to contribution and suggestions of all of you. Help us to do of Montreal meeting a resource for the future.

SEE YOU IN MONTREAL!

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17 WCNDT **CHINA 2008**



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

ORLD CONFERENCE ON N

Montreal, Canada, 30 August-3 September 2004

Hello Gentlemen

I am great! Considering things here are really starting to ramp up for the WCNDT.

I have a breakdown on the conference technical program. Todate: A total of 716 technical papers have been accepted and the authors notified.

Oral Presentations Poster Presentations 128

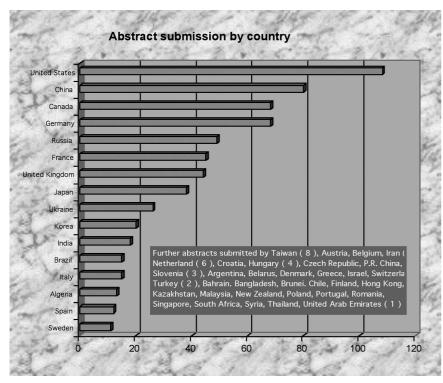
There are 27 topic tracks over the five day event plus three one day pre-conference short courses.

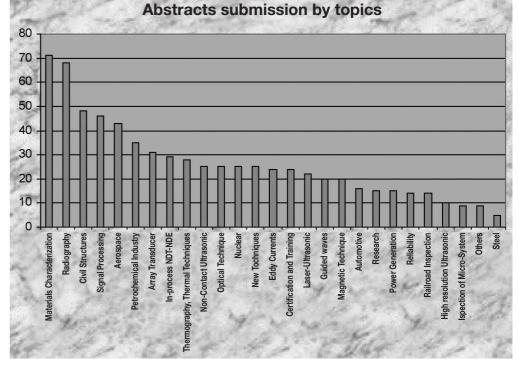
The papers represent 50 countries. The electronic spreadsheet provides details, ie, UK 44, USA 108, Germany 68, etc.

Please visit the conference website to download the latest announcement

Douglas Marshall WCNDT President

www.wcndt2004.com.





The brochure will provide the Technical Programme, technical program committee, in vited speakers, pre-conference short courses, etc. Pages 6 and 7 provide information on Montreal and the social rogramme.

There is no one major sponsor but todate we have managed seven Premier Sponsors and two donors. The sponsorship program is moving forward and slowly conference items

The major of reserved exhibition space has been purchased, 95% (88 Exhibitors) plus various ICNDT societies. Additional exhibition space is available if necessary. The exhibition and technical session are all on one level in the same general location. The exhibit hall is one large room with an Internet cafe, demonstration area and refreshments. Registrations are just starting to be received (125 todate)

A meeting room capable of hosting the ICNDT Formal meeting has been reserved for the entire week. The room will be used for our Certification Seminar and Workshop. We have purchased the ICNDT membership plaques and completed the certificate design.. Please contact myself or Sharon Bond for any additional information.

> Douglas J. Marshall 16th WCNDT President

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

From the ICNDT guide/The Employer Certificate

5. EMPLOYER RESPONSIBILITIES WHEN USING THIRD PARTY CERTIFICATION

The Employer has important responsibilities when using Third Party Certification. These are similar to those when using in-house certification and should be reflected in the Employer's quality system. This Section of the Guidelines clarifies the Employer's responsibilities within the framework of ISO 9712, and gives guidance on how the Employer should fulfil these. In this context the Employer (or responsible agency) is defined as 'the organisation for which the candidate works on a regular basis'. If the individual is self-employed he shall assume all responsibilities specified for the employer or responsible agency.

The responsibilities of the Employer are:

a. The **Employer** has overall responsibility for the results of NDT operations.

- b. The **Employer** shall introduce the candidate to the Certification Body or the Authorised Qualifying Body and endorse the validity of the personal information provided. The documentation provided shall include the declaration of education, training and experience needed to establish the eligibility of the candidate.
- c. The **Employer** shall be **fully responsible for the authorisation to operate**, including checking that NDT tasks to be carried out are within the scope of the individual's certification Method, Level, Sector, and if not **organising additional job-specific training and/or examinations**.
- d. The **Employer** shall ensure annually that employees meet the visual acuity requirements.
- e. The **Employer** shall maintain records of work experience necessary as a basis for confirming continuity of satisfactory work activity (to support renewal/re-certification).

To fulfil these responsibilities the Employer must prepare a **NDT Quality Procedure** (or **NDT Written Practice**) and maintain adequate Records.

The NDT Quality Procedure shall cover the correct administration and control of NDT personnel in order to meet the quality requirements of the company, its customers and relevant international or national regulations. It will include reference to:

- a) applicable codes and standards
- b) general responsibilities of Levels 1, 2 and 3
- c) Certification required (Method, Level, Sector ...)
- d) persons designated by the Employer to be responsible for issuing the authorisation to operate
- e) control of in-house training and examination supplementary to that carried out during the ISO 9712 qualification and certification process. This will include job specific training for tasks outside the scope of the individual's certification and updating with respect to new equipment or techniques
- f) responsibility for maintenance of records

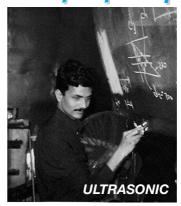
The Employer must arrange to maintain records for each of his NDT personnel including:

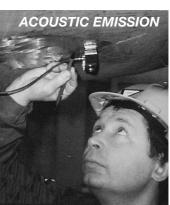
- records of training
- records of education
- records of work experience
- vision test results
- certification examination results

If these are complete and acceptable, then the **Employer issues the necessary authorization** to discharge the duties of Level 1, 2 or 3 in a defined area of competence.

The best way for this to be done is through an **Employer's Certificate** of Authority to Work and this should be signed by an appropriately designated person on behalf of the Employer (see Figures 1 & 2).

The people of NDT







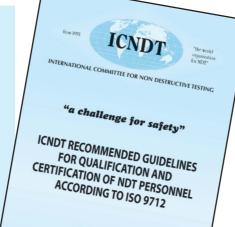


Use immediatly this guide! It is world wide recognized!

The ICNDT Guidelines at cost of EUROS 25.00 can be required to:

ICNDT Secretariat c/o AIPnD Via Foresti,5 25127 Brescia Italy

or writing to icndt@icndt.org



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 correcting on the products with the required skill according the requests of specifications, codes etc.

The verification shall be documented.

Pagagnized by ACME

EXS W

Extract from ASME Document......

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

CONTENT

- □ Background to ICNDT Guidelines
- □ Accreditation of Certification Bodies
- ☐ Employer responsibilities when using Third Party Certification
- ☐ Advantages of Qualification and Certification to ISO9712
- ☐ Draft International Standard DIS ISO 9712.2
- ☐ 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

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) , 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.

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ICNDT REGIONAL GROUP EFNDT - EUROPEAN FEDERATION FOR NDT

FLORENCE 1984 - MOSCOW 2004

The European Federation for NDT celebrated in Moscow its twentieth anniversary.

A meeting of EFNDT Board of Directors was held last 19th March in Moscow during the Annual Conference of Russian Society for NDT. A triptych of important resolutions have been taken by the BoD.

- The BoD unanimously expressed the will to support the "Vienna Agreement" which agreed a gradual merging of EN473 into ISO 9712. As such a process has currently come to a standstill, the EFNDT called a summit meeting with CEN and ISO in order to re-align the scope and make draft approval shorter.
- The Bank of Questions for 1 and 2 level examinations, developed by EFNDT with a view to harmonise examinations in different countries, will be put on CD ROM, at disposal of Certification Boards against payment to EFNDT of a proper fee.
- The problem of accreditation of National Certification Bodies for countries where proper structures do not exist has been deeply examined. The BoD decided to substitute the "accreditation" by "approval", which will be carried out via an audit performed by a suitable team from EFNDT and ICNDT. This decision will make easier the mutual recognition of certifications among countries.

Three relevant decisions which confirm the will to harmonise the qualifications NDT personnel. In the purpose the EFNDT request earnestly the issue of "Guidelines", that are more flexible of the norms and better met both authority and personnel requirements. In this light the ASNT has been a pioneer tracing out a way for all the world.

The "ICNDT Recommended Guidelines for Qualification and Certification of NDT Personnel according to ISO 9712" is an example of useful recommended practice to be adopted as suitable reference.

MOSCOW 2004

The board of directors of EFNDT with the international partecipants and Russian Scientist at the RSNDT National Conferenze

Report on EFNDT **Board of Directors Meeting** Moscow, March 2004

The thirteenth Board Meeting of the European Federation for NDT was held in Moscow on 19 and 20 March 2004 at the offices of Spectrum and the headquarters of the Russian NDT Society at the kind invitation of Professor Vladimir Klyuev. Eight Directors were present (Dr Farley, Mr Aufricht, Professor Klyuev, Dr Link, Mr Lund, Mr Roche, Mr Romero and Mr Nardoni), plus Matt Gallagher and John Thompson from the Secretariat (provided by British Institute of NDT), and Michel Poudrai (Chairman of the Certification Executive Committee) and Gerard Hennaut deputising for Xavier Deliege.

The meeting was held in three parts, and during the first part the Board was joined by Professor Guo (Vice President) and Mr Shu (Secretary) of the Chinese NDT Society, Andrei Tkachenko of the Moldavian NDT Society and by Douglas Marshall, President of the 16th World Conference in Montreal (August 30th – 3 September 2004).

Reports were presented on the Activities of the active Working Groups: 1. Qualification and Certification, 2. Radiation Safety and 5. Detection of Anti-Personnel Mines.

The updated EFNDT Website was presented (see www.efndt.org). It was agreed to request all the member societies of EFNDT to install a link from their own website to the EFNDT and European Conference (ECNDT) websites.

An update of Certification activities was presented as a Power Point presentation - also to be posted on the website.

The German NDT Society DGzfP is beginning to make plans for the 2006 European conference in Berlin (25-29 September 2006). Two main sponsors and five minor ones have been agreed. Around three-quarters of the exhibition space is booked. Details are accessible at www.ecndt-2006.info Strong



How we were!

Plorence 1984

Foundation of European Council for NDT (side).

2 Moscow 1982

10th World Conference on NDT (centre).

3- Moscow 2004

20th Anniversary of EFNDT (bottom).





support is evident from Europe for the forthcoming 16th World Conference in

Montreal: August 30 – 3 September 2004. Some space remains in the exhibition. The British Institute of NDT, co-sponsored by EFNDT is running a conference entitled "Certification 2004: NDT in a Shrinking World" on 3-4 November 2004 in Manchester. This conference is the fourth in a series. Details are available from www.bindt.org. Offers of papers are invited.

In the second part of the meeting (Formal Board Meeting), the financial report was approved, the acceptance of China as an Associate Member was ratified and official notification given of the change of EFNDT's official address (to Avenue des Arts, 609, B- 1210 Brussels). On the subject of Certification, it was decided to request a meeting with the Chairmen of TC 135 and TC 138 in order to urge the convergence of ISO 9712 and EN 473. A new guideline on External Representation of EFNDT was agreed. This will be used as a working document and incorporated into the internal regulations after approval by the GA.

A number of changes to the implementation of ECP were agreed. The Question Bank will be made available widely. Other ECP documents and procedures have been taken over by TC 138/EN 473. Two new members Mr G Hennaut (Belgium) and Mr A Mullin (Russia) were appointed to the Certification Executive Committee to replace Mr Hoogstraate and Mrs Lekovitch.

With respect to ASME recognition of EN 473 a Code Case for Power Station Boilers (ref. I-01-35) was reported. This allows the use of EN 473 for certification of NDT personnel inspecting power boilers to ASME Code Section 1, subject to the preparation of an appropriate procedure or written practice covering the job-specific qualification and authorisation of such personnel.

The Board discussed an outline proposal to create an EFNDT Approval scheme for Certification Bodies and agreed to pursue this development further.

The Procedure for choosing the venue of European Conferences will be revised to bring the decision forward to the General Assembly which precedes each ECNDT. Hence the decision on ECNDT 2010 will be made at the GA in 2005. Proposals will need to be submitted prior to the BOD meeting in Spring of 2005.

Discussion was continued on the future EFNDT Strategy and four Action Plans were agreed. These will be published on the Website. Dates and places for next meetings:

GA/BOD 5/6th November 2004 Manchester BOD 3/4th April 2005 Stockholm or Vienna BOD October 2005 Berlin



THE NEW BOD OF AEND

(SPANISH SOCIETY FOR NDT)

Mr. José Manuel Corrales

Vice-presidents:

Mr. Emilio Romero (outer relations

Mr. Jesús Serrano (structure and documentation

Mr. Jesús Sanz Yrazu (certification)

> Mr. Antonio Soto raining and testinus



The Event for NDT September 25-29 2006







entwicklung und Anwendung Salzburg 17/19 Mai 2004



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ICNDT regional group 11th ASIA-PACIFIC CONFERENCE ON NDT



The 11th Asia-Pacific Conference on NDT was successful held at JEJU Island, Korea, on 1-5 November 2003. In conjunction with the conference several technical meetings were held. Namely: Asia – Pacific Committee Meeting, ICNDT-PGP Meeting, ICNDT Executive Committee Meeting. Very important event was the presentation of the revised "ICNDT Recommended Guidelines for Qualification and Certification of NDT Personnel according to ISO 9712" to the International Panel on Qualification and Certification of NDT Personnel that has welcomed with high satisfaction the document.







Members of the ASIA-PACIFIC committee for NDT

Report by ICNDT Chairman

Subject: APCNDT Conference/PGP meeting/ICNDT Executive meeting/Panel on Qualification and Certification of NDT Personnel.

To all ICNDT Members Dear Friends,



Hello! How are you?

Just arrived from the APCNDT Conference held in Jeju, Korea, on 1-5 Nov., I am sending good news arose from this important meeting. It was a very successful Conference with more than 600 participants. The extremely interesting papers presented and the plenary lectures highlighted the new trend of NDT. Digital imaging, smart materials, guided waves, nanotechnologies, CT tomography, fiber optics, polymer transducers have been the key words of this conference.

Materials as concrete, composite, micro**chips** and so on, are becoming standard for NDT examination. NDT are getting more and more important also over the traditional fields of applications. More than 50% of the presented papers come from research centres of university or other organisations.

Korean NDT Society together with the Asia-Pacific Committee made an excellent work that merit our best congratulations. In conjunction with the Conference four important meetings took place in Jeju:

- PGP Meeting
- ICNDT Executive Meeting
- APCNDT Committee Meeting
- International Panel on Qualification and Certification of NDT Personnel

In all these meetings, a very constructive atmosphere surrounded the discussions on the many items in the agenda.

The APCNDT is a strong reality with a great role in the Asia-Pacific countries for the development of NDT as well as the diffusion of ICNDT policy. The candidate to host the next APCNDT Conference is New Zealand.

Very important were both the PGP meeting and the ICNDT Executive meeting; discus-

sions have consolidate the ICNDT policy with a view to the next full ICNDT Meeting which will be held in Montreal next year. The new draft of ICNDT Guidelines for Qualification and Certification of NDT Personnel has been presented during the meeting. It was highly welcomed!

It has been decided to distribute it to the participants to the Conference. Only small editorial implementations are necessary for the draft. ISO has given its full approval for the distribution of the "Guide" containing the ISO draft 2003.

The International Panel on Qualification and Certification of NDT Personnel was particularly successful. The ICNDT Guide received the compliments from the attendance. ASNT President express his personal satisfaction to see how the role of the employer is held in primary consideration in the ICNDT Guide (that is the culture of USA, he stated).

The following countries were present: **Ko**rea, China, Japan, Taiwan, Australia, New Zealand, Canada, USA and Europe (EFNDT). All the Certification Programmes presented by these countries, are based on ISO 9712. ASNT has confirmed that ACCP is aligned with ISO 9712.

From many countries arose the request to ICNDT to make a task group for the accre ditation of ISO 9712 Certification Centres; that because, outside Europe, there are not specific organisation for accreditation.

Beautiful place the venue of the Conference! Excellent the hospitality of the Korean NDT Society.

Great thanks to the organisation for its helping in leading the meetings.

Particular thanks to the PGP Members Mr Farley, Marshall, Heidt, Thomson, Onoe for their helping in preparation and leading the ICDNT meetings.

> G. Nardoni ICNDT Chairman



Dott. Murphy is explaining the role of ICNDT and ISO in the



Prof. Hatano and Prof. Onoe are explaining the ISO9712 to the



Mr. Mike Farley, ENFD President.

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ICNDT regional group AFNDT - AFRICA FEDERATION FOR NDT

CONSTITUTION OF THE AFRICAN **FEDERATION OF** NON-DESTRUCTIVE-TESTING (AFNDT)

REPORT BY F. HERELLI

According to the International trends in the fields of advanced sciences and technologies and with joint support of the IAEA, was hosted by the National Electricity corporation of Sudan and the Sudadaneese authority for Atomic Energy, from March 7th to 11th 2004, the sixth meeting of the African coordinators for the regional project of IAEA related to advanced techniques of Non-Destructive-Testing. This meeting was attended by the participants from countries hereafter:

Morocco, Tunisia, Egypt, Libya, Sudan, Kenya, Tanzania, Nigeria, Senegal, Congo, Cameroon, Zambia, Ghana, Zimbabwe, Ethiopia and South Africa.

During this meeting, future program of the project workplan 2004-2006 was reviewed. Furthermore, a recommendation was presented for the choice of the AFNDT as the representative of the African Continent in the ICNDT, which is an important historical

The chairmanship of the federation was trusted to Egypt in order to organize the fourth African meeting in February 2006.

The committee of the African Federation (AFNDT) is composed of:

- Pr. Mahmoud Chaffaï Egypt Chairman
- Mr. Mod. Farid Herrelli Tunisian Vice-Chairman Among AFNDT targets here below the important:
- 1. Facilitate **Interafrican cooperation** in matters of development and use of NDT methods
- 2. Cooperate and establish relations with national

- and regional NDT organizations.
- Promote and backup holding of regional meetings in NDT field.
- The **AFNDT** tries to be the regional representative of Africa in the International Committee (ICNDT) as well as taking part in the works, activities and meetings of the ICNDT.



Mr Herelli presents to Mr Nardoni the Africa plaque.



Refinery in Africa Region

AFNDT

AFRICA FEDERATION NONDESTRUCTIVE TESTING

Egypt Senegal Marocco Cameroon Ghana South Africa Sudan Kenya Ethiopia Zambia

> Congo Tanzania Nigeria

Zimbabwe

Libya



Tunisia

ICNDT regional group ASIA PACIFIC REGIONAL GROUP

FROM PAKISTAN

PAKISTAN SOCIETY FOR NON-DESTRUCTIVE TESTING

THE SECOND NATIONAL **CONFERENCE ON NDT**

The Pakistan Society for Non-destructive Testing (PASNT) was founded in 1996. Among its 14 aims and objectives are:

- To promote technical education, training and certification in NDT at all levels.
- To promote the applications of Non-destructive Testing (NDT) in the development activities of the country.
- To act as a consultant to the government, public corporations, local bodies and other institutions in all matters connected with NDT for the progress and development of the country.
- To establish and maintain national standards in applications of NDTetc.

There are **163 members** of the Society in its various classes, many of which are Life Members. PAS-



Dr Ishfaq Ahmed being briefed by Mr. Parvez Butt about a stall in the Exhibition arranged at the Second National Conference on NDT.

NT holds general elections to fill its 11 honorary posts of Administrative Council after every two years. Its next elections are scheduled on 11

The Second National Conference on NDT was held at Islamabad form 22 - 24 October, 2003. Special Advisor to the Prime.

Minister and former Chairman of Pakistan Atomic Energy Commission (PAEC), Dr. Ishfaq Ahmed was the chief of guest at the inauguration ceremony of the Conference. He emphasied the applications of NDT methods in the national industries.

Mr. Parvez Butt, Chairman PAEC, in his welcome address stated that the economic progress prosperity of a nation depends mainly on the production of quality products. The Commission has the honour of being the pioneer of the quality culture in its own programme and in imparting the same to the national industry. Almost all the NDT personnel working in over 140 organisations of the country have been trained and certified by PAEC.

Director, National Centre for Non-destructive Testing (NCNDT) and President of PASNT, Mr. Asghar Ali Khan in his address traced the development of NDT facilities in Pakistan. Realising the importance of NDT for producing quality products, PAEC

established facilities and developed expertise in NDT and made it available to industry in Pakistan to upgrade and improve the overall national manufacturing capability.

He said further that as at present NCNDT has trained more than 1600 persons through 142 training courses. It remains to be the only institution in Pakistan that is producing certified NDT inspectors. Besides NCNDT has also continued to provide expert advice and services to local industries in addition to third-party inspection and life assessment of plants.



Mr. Asghar Ali Khan, Director NCNDT and President of PASNT addressing the Second National Conference on NDT

The Conference provided a national forum to present research and development work, overview the advancements and share mutual experiences in the field of NDT and to provide a benchmark for the present state of development of NDT technology in the country.

A scientific and industrial exhibition was also organised at the venue of the said Conference in which leading NDT companies and various related PAEC organisations took part.

Out of 44 papers of 20 minutes each presented in 7 technical sessions, 32 were made by authors from industries, educational and research organisations while 11 papers were from NCNDT and one from Germany. All these presentations received full interest of nearly 200 audience followed by long question-answer sessions.

The Conference was sponsored by Pakistan Atomic Energy Commission and many other industrial organizations.

The Conference ended with numerous recommendations for the promotion of NDT technology. The next Conference is scheduled for 2007, the year preceding the 17th WCNDT.

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CERTIFICATION IN THE WORLD ACCORDING ISO 9712

CERTIFICATION IN ITALY

CICPND – The Italian Certification Body for NDT

The certification of NDT Personnel is managed on the basis of the European Standard EN 473 / ISO 9712, CICPND rules on the Qualification and Certification of NDT Personnel and on the approval of Examination Centres for the CICPND certification at level 1 and 2.

At the present time, the approved and operative CICPND Examination Centres (20 in number) represent the focal point able to cover all certification demands across the Country.

In other terms the approved Examination Centres flexibility allows to offer a service adequate to the industry requests throughout a wide range of different possibilities specifically arranged in order to achieve the best costs reduction and to save Clients production time

The above behaviour is on one hand the consequence of the EN 473 / ISO 9712 approach to the NDT Personnel Certification, where the level 1 and 2 have to be examined by the Examination Centres, while the levels 3 have to be examined directly by the Certification Body: on the other hand such behaviour aimed to supply a service more and more improved in order to obtain a living costs reduction so to minimise the impact on the manufactured products and on the competitiveness in the market.

Moreover the CICPND "Register of NDT certified personnel" is another important issued as a key element for the information diffusion among mutually recognised Certifying Bodies.

The PND Valid Certification Numbers, at the and of 2003, are showed on annex table (12.733 PND Certifications of which 914 of level 3, 10.125 of level 2 and 1.694 of level 1).

NDT Approval of Personnel according to clause 3.1.3 of Annex 1 of Directive PED

On January 2002 the CICPND has achieved from Productive Activities Ministry the authorization to issue, as Recognized Third Party Organization, approval certification of NDT personnel according to clause 3.1.3 of Annex 1 of Directive PED.

CICPND, for the above approval, has qualified 7 Examination Centres for the eventual support to the CICPND PED Approval Division.

Actually CICPND has approved NDT personnel for more than 1000 NDT methods.

Certification of NDT Companies Quality Systems and of Personnel of others Industrial Processes

The CICPND activity does not only deal with the Personnel Certification, but has been widen, since 1997, to the Quality Systems Certification of Companies in NDT field. (EN ISO 9001: 2000 Sector 35). The record of such recognitions is the number 064A of the SINCERT Register of Certifying Bodies. During the last seven years CICPND has operate also on Personnel Certification in others fields different than Non Destructive Testing.

On the basis the sensitisation on the Personnel Certification culture has been performed at national level and it

gave successful results in the fields of industrial processes, like extensometry, coordinate measuring machines, acoustic measurements, catholic protection, PND on reinforced-concrete, armed a and pre-stressed concrete and walling structures (all accredited by SINCERT with number of recognitions 012C).

Furthermore CICPND has been recently charged by Italian Transportation Ministry to define the structure of the certification scheme for the Personnel Certification involved in the passengers transportation by rope. About Valid Certification Numbers see annex table (Other).

Conclusion

In some half century of life CICPND issued more than 23.000 NDT certifications.

At the present time CICPND is able to serve the national industry all around Italy by means of its approved Examination Centros

CICPND is accredited by EA trough SINCERT and it is recognized by EFNDT trough AIPnD.

CICPND is recognized Third Party Organisation achieved from Productive Activities Ministry for the approval of NDT personnel according to clause 3.1.3. of Annex 1 of Directive PED.

CICPND now is particularly spreading its activity of the Certification of Personnel in a number of Industrial Processes, not only in Italy but also in different Countries where the certification scheme is not any more present.

ISO9712/EN473

CICPND - Italian Certification Body for NDT Valid Certification Numbers at December 31, 2003

Methods	Level 3	L evel 2	L evel 1	Total
RT	139	1.525	71	1.735
UT	162	2.361	678	3.201
MT	175	2.528	482	3.185
PT	183	2.812	305	3.300
ET	36	318	156	510
LT	12	69	1	82
VT	176	468	1	645
IT	22	37		59
AT	9	7		16
Total	914	10.125	1.694	12.733
Other	185	240	188	613
Grand Total	1.099	10.365	1.882	13.346

CERTIFICATION IN NEW ZEALAND



Members of the Certhification Board.

The Heavy Engineering Research Association (HE-RA) hold and run examinations on behalf of CBIP. The average number of examinations per year is:

- Liquid Penetrant Inspection 30
- Magnetic Particle Inspection 35
- Radiographic Inspection 12
- Ultrasonic Inspection 7
- Certified Welding Inspection 24
- Limited and Specific Inspection 20

The Certification Board for Inspection Personnel (CBIP) also offers inspection personnel certification in Pressure Equipment Inspection (10 per year), Crane Inspection (5 per year). Lift Inspection (3 per year) and Passenger Ropeway Inspection (1 per year). CBIP is New Zealand's 'Certification Body' for inspection personnel as outlined in ISO 9712 and is recognized by the NZ Government. CBIP at present follows the requirements of ISO 45013 and is improving its management procedures to meet the requirements of ISO 17024. CBIP is governed by a Board of 17 people representing the various sectors of industry. All examinations are run by CBIP approved examination panels for each certification discipline stated above.

Peter Hayward

FROM BRASILE



Dear Mr Nardoni,

It is nice to start the year with good news and ABENDE has very good news for the NDT Community. In December 11th, 2003 ABENDE was officially designated by ABNT (Brazilian Association for Technical Specifications) as an ONS -Organism for Sectorial Normalisation. This means a great growth in Technical Standards for NDT in Brazil since now all specifications approved by ONS -ABENDE becomes compulsory for all industries performing NDT in Brazil.

ABENDE received financial support from several industries to achieve becoming an ONS: Metal-Chek, PETROBRAS, Petroquimica aniao, Teknikao, TenarisConfab and Vallourec-Mannesmann do Brasil sponsored the acquisition and translation of International standards and the payment of fees to ABNT .During ABENDE's closing of the year ceremony, in December 11th, 2003, ABENDE's President Mr. Edson Vasques Morei-



Photo of the moment Mr Vasques signed the contract and the moment of compliments to ABNT representants ra, and Dr. Eugenio Guilherme Tolstoy De Simone, Technical Director of ABNT, signed the contract designating ABENDE as ONS -Organism for Sectorial Normalisation.

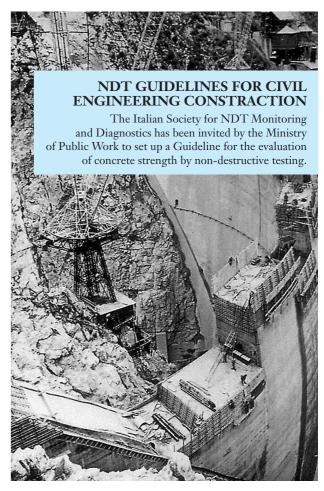
This is the crowning of the many years of work of several professionals for structuring this activity and the elaboration of the documents necessary for this process. ABENDE already has 15 Committees for developing Standards.

Attached we are sending the preview issue of our association's new magazine. Also, we appreciated the large coverage ICNDT Journal presented of our Pan American Conference.

Last, our best wishes for the new incoming year 2004 for you, your family, coll1aborators and the whole NDT Community. Cordially

Maria Izabel Laczko Gebrael ABENDE'S International Affairs Coordinator

FROM ITALY





MONTREAL 2004

Anniversary of ICNDT Foundation

29th ICNDT MEETING

Sunday, 29 August 2004: 9.30 am - 4.30 pm

30th ICNDT MEETING

Thursday, September 2004: 4.30 pm - 6.30 pm

Venue: Palais des Congres de Montreal 159 Saint-Antoine West, Montreal, Quebec H2Z 1H2

Room 525 A&B

This is a special welcome and working room dedicated to ICNDT Delegates for the full duration of the Conference. It is your home!

65 Countries are scheduled to be present. Many others Countries have announced to come! For any information please contact ICNDT Secretariat icndt@icndt.org or call directly ICNDT Chairman G. Nardoni +39 348 2280 470





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Dear Friends,

The subscriptions to ICNDT Journal have reached 211 subacription from many Countries.

The ICNDT Journal is becoming a reality which arouse great interest in the NDT world. It is a great satisfaction for all of us who have produced significant efforts to achieve this target.



Many thanks to all who have co-operated by sen-

ding articles or spreading out the Journal

We are now asking your support to improve subscriptions. In this purpose, please provide us some selected address of industries which could be interested in receiving the ICNDT Journal.

Just to keep the Journal alive we ask you to send some pictures and short comments of your Examination Centre (s), which will be included in the next issue of the ICNDT. Thank you for your collaboration.

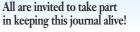
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Giuseppe Nardoni ICNDT Chairman

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