



The World Organisation for NDT

Annual Report 2017

ICNDT is formally registered as a legal association in Vienna in accordance with the Austrian Corporations Act and has a bank account to conduct financial business transactions.

The constitution meets the requirements of the Austrian Corporations Act.

As an incorporated body, ICNDT is required to submit its Annual Report and audited Financial Report to the relevant Austrian authorities.

This is the Annual Report for 2017

Meetings and Appointments

ICNDT Executive Committee (IEC) meetings were held eight times during 2017, the first taking place on 5 January, the second on 13 February when the Chairman visited the Secretariat in Northampton, the third on 4 March, the fourth on 7 June alongside the Certification Conference in Vienna, the fifth on 17 August, the sixth on 23 October, the seventh on 14 November and the last one for the year on 12 December. All meetings were chaired by Sajeesh K Babu and offered the facility for members to join via web conferencing.

The Policy and General Purposes Committee (PGPC) met on 14 November 2017, during the 15th Asia Pacific Conference in Singapore, chaired by Dr Mike Farley. This meeting played an important role for the future of ICNDT, including the ongoing work to restructure the organisation of ICNDT and the regional groups, updating the Constitution and operating procedures as well as continuous updates on progress against the Strategic Plan. Dr Farley announced that the ballot of members had approved the updated Constitution and operating procedures (see below). The meeting was very successful and paved the way for the implementation of the new organisation structure from June 2018 and the new fee structure from January 2019.

Working Group 1: Qualification and Certification met twice during 2017, first during the Certification Conference in Vienna in June and again at the Asia Pacific Conference in Singapore in November. A glance at the agendas for these meetings and the Action Plan of the WG shows the large number of tasks this working group has under its remit, under the Chairmanship of Alexander Mullin. One of the most important topics covered was the ICNDT contribution to the proposed revision of ISO Standard 9712: Qualification and Certification of NDT Personnel. More on this later.

The Certification Executive Committee (CEC) carries out most of its work via email and the internet. Its activities centre around the Multilateral Recognition Agreement (MRA), conformity assessment of Personnel Certification Bodies (PCBs) and the Examination Question Bank (EQB). There are now 44 signatories to Schedule 1. The most recent is the National Centre for NDT in Sri Lanka, which signed on 23 August 2017. All signatories are listed in the schedule on the ICNDT website. Throughout 2017, CEC review teams were very busy assessing applications for Schedule 2 renewals. There have been seven successful renewals in 2017. There have been two new registrations in 2017: The Non-Destructive Testing Society (Singapore) – NDTSS and the Certification Body for Non-Destructive Testing, Sri Lanka (CBNDT). This brings the total registrations to 14. Regarding the EQB, the IAEA agreed to pay for the ICNDT EQB to be supplied to the National Certification Body for NDT in Sri Lanka, which is part of the Atomic Energy Board. A web meeting of the EQB Sub-Group was held on 7 November 2017. The meeting discussed development possibilities for the EQB and is currently seeking approval from the IEC on the way forward.

Working Group 3 met in Singapore in November during the Asia Pacific Conference and several new members were welcomed. The Action Plan was reviewed and updated and it is hoped that these actions and the enthusiastic direction of the Chairman Prof Younho Cho will lead to early progress.

Working Group 4: Communications also met in Singapore, where Mr David Gilbert handed over the chairmanship to Mr Shohei Ooka. This group discussed the journal and the website as well as updating Action Plan 2 of the Strategic Plan.

Working Group 6: In June, Condition Monitoring held a meeting at the ILEC Conference Centre in London alongside the First World Conference on Condition Monitoring, under the Chairmanship of Prof Len Gelman. Mr César Belinco from Argentina was nominated as Co-Chair as Mr Clausen (also Co-Chair) was unable to attend. Items covered included conferences and events, publications and website, CPD, grant applications, awards, education and other CM activities.

ICNDT Chairman Sajeesh K Babu represented ICNDT at a number of meetings and events during 2017. He participated as an invitee at the annual event of the Association of NDT Services Organisation of India (NANSO), held in Mumbai, India. He was also Guest of Honour at COTEQ 2017, organised by ABENDI, in Rio de Janeiro, Brazil. During the conference a meeting of the Pan-American NDT Board was held. A new logo was introduced and the event brought new technologies and equipment to the market.

On 25 June 2017, a historic memorandum of understanding was signed between ICNDT and the International Institute of Welding (IIW) in Shanghai during the latter's 70th General Assembly. Key highlights of this MOU include: sharing information, knowledge and networks in NDT in welding, enabling both organisations to excel as a result of this exchange; promoting the benefits of this relationship to one another's membership through publications and involvement in IIW and ICNDT technical activities and other means as deemed appropriate from time to time; and promoting education, training, qualification and certification, research and development and technology transfer in NDT and welding. Overall, this MOU will use the best endeavours of each organisation to help one another meet their objectives without any conflict with regards to their respective goals.

As mentioned previously, the Austrian Society organised a successful conference, Certification 2017, which was held in Vienna. This provided an information exchange platform for the ISO 9712:2012 standard and its proposed revision. The conference explored the extent to which the international standard has worked well and examined aspects that could be improved.

The conference was opened by Stefan Haas, the President of the Austrian Society for NDT, ÖGfZP, followed by an address from Franz Resetar, the Federal Minister of Science, Research and Economy, and a welcome from Gerhard Aufricht, Managing Director and Vice President of ÖGfZP and Lead Conference Organiser.

During the last five years, since the introduction of ISO 9712 in 2012, it has become clear that the standard has been interpreted and implemented differently around the world. In the interest of harmonisation, it was important to exchange experiences in implementation and explore how best to minimise the differences in implementation. This certification conference provided the optimal platform to capture the opinions of experts from industry, certification and standardisation. It was also very timely, since the ISO committee (ISO TC 135/SC7) that is considering revisions to ISO 9712 required formal responses to its consultation by early September 2017. As stated above, a meeting of the ICNDT Working Group for Qualification and Certification (WG1) was held alongside the conference, primarily to help formulate an ICNDT view on the desirable changes to ISO 9712. 28 speakers from 15 nations all over the world provided their personal views of the necessary or desirable changes to ISO 9712 and the current status of the standard in their countries. 80 delegates from 29 countries participated in discussions on the preferred way forward. In summary, this was a very successful and effective meeting, which has helped develop valuable suggestions to improve the interpretation and implementation of ISO 9712 and the harmonisation of certification more generally. These suggestions will be central to ICNDT's input to the review of ISO 9712.

Mike Farley, as Chairman of the PGP Committee, also attended several important meetings and events during the year under review. One highlight was a meeting in Vienna with the United Nations Industrial Development Organization (UNIDO), where he was accompanied by Mr Harold Jansen, Secretary of the African Federation of NDT (AFNDT), representative to the ICNDT PGP Committee and Chairman of the ICNDT Certification Executive Committee, and Mr Sean Blake from the South African Institute of Welding and NDT (SAIW). UNIDO's Sustainable Development Goal (9) is about 'Industry, Innovation and Infrastructure', with the objective of 'building resilient infrastructure'. Also relevant to ICNDT are Development Goals (7) Affordable and Clean Energy and (3) Decent Work and Economic Growth. This includes a focus on diversity and youth employment. Bernard Bau (Industrial Development Officer in the Trade, Investment and Innovation Department), who coordinated the meetings, is engaged in the West African Quality System Programme, which supports the implementation of the ECOWAS Quality Policy. Bernard had arranged a one-to-one meeting for Dr Farley with Dr Bernardo Calzadilla-Sarmiento, Director of Trade, Investment and Innovation, and also arranged for a presentation to UNIDO Trade, Investment and Innovation staff. About 12 officers from TII attended. Mike Farley gave a presentation on 'The importance of NDT for Industrial Development'. He described the scope and importance of NDT technologies and the role and objectives of ICNDT and offered the services of ICNDT to support UNIDO in its objectives. Harold Jansen followed up with some information about ICNDT's African Regional organisation (AFNDT) and some ideas about where ICNDT and UNIDO might cooperate, including promotion of the role of women in NDT, e-learning and a market survey for NDT in Africa. In summary, this was a very worthwhile meeting and UNIDO is to be given liaison status of ICNDT, along with IAEA, ISO, IIW and the like.

ICNDT Officers 2017:

ICNDT Chair	Mr Sajeesh K Babu (Singapore)
ICNDT Past Chair	Dr Mike Farley (UK)
ICNDT General Secretary	Mr David Gilbert (UK)
World Conference President	Prof Younho Cho (Korea)
NDT Society to provide secretariat	The British Institute for NDT (UK)
Treasurer	Mr Gerhard Aufricht (Austria)
Elected members	Ms Sharon Bond (Canada)
	Mr Les Dick (New Zealand)
Auditors	Mr Douglas J Marshall (Canada) and Dr Werner Schmid (Switzerland)
Chair – The ICNDT Certification Executive Committee	Mr Harold Jansen
Chair WG 1 – Certification	Mr Alexander Mullin (Russia)
Chair WG 2 – Membership	Mr João Conte (Brazil)
Chair WG 3 – Research	Prof Younho Cho (Korea)
Chair WG 4 – Communications	Mr Shohei Ooka (Japan)
Chair WG 5 – Radiation Protection	Dr Matthias Purschke (Germany)
Co-Chairs WG 6 – Condition Monitoring	Prof Len Gelman (UK), Mr Terry Clausing (USA) and Mr C Belinco (Argentina)
Chair WG 7 – Administration	Dr Mike Farley (UK)

Regional Group Representatives:

Africa	Mr Harold Jansen
	Dr Kamal Sahaimi
Asia-Pacific	Dr Norikazu Ooka
	Mr Jong Poh Lee
Europe	Prof Peter Trampus
	Dr Matthias Purschke
Pan America	Mr César Belinco
	Dr Army Bereson

Strategic Planning and Organisation

During 2017, the primary focuses of the IEC were on delivering the actions of the strategic plan and achieving progress with the reorganisation proposal (see 2016 Annual Report). Ongoing status reviews in each of these areas were held at each IEC meeting.

International Specialist Groups

Under the new Operating Procedure (OP26: International Specialist Groups – ISGs) several Specialist Groups have now been set up under the auspices of ICNDT. The Groups are intended for those topics, either technology areas or application areas, in which international liaison is beneficial/necessary. The following Groups are currently under development (host society in brackets):

- Full Matrix Capture (BINDT)
- Terahertz Imaging (BINDT)
- Microwave NDT (ASNT)
- Magnetic Memory Method (Marovisz)
- NDT of Art and Cultural Heritage (BINDT)
- NDT Reliability (DGZfP)
- Non-Linear UT (KSNT)
- Guided Wave UT (KSNT)
- NDT Automotive Composites (BINDT).

ISGs are open to all members of NDT Societies in ICNDT.

Review of organisation of ICNDT and the Regional Groups

The plans for the reorganisation of ICNDT and the Regional Federations/Groups have progressed well following the approval, by a significant majority, at the General Assembly in Munich (39th meeting – 16 June 2016).

Outline of proposals

The Regional Organisations/Federations will be represented on the ICNDT GA and Executive Committee and the PGP will be replaced by an Advisory Committee.

ICNDT's responsibilities will be extended to include coordination of its own work with that of the Regional Organisations/Federations. ICNDT's focus will be on global activities and the Regional Organisations'/Federations' focus will be on regional activities and support of local societies.

The Regional Federations will be represented on the ICNDT General Assembly alongside the member societies, with two voting representatives nominated by each Regional Group/Federation (one being nominated to the IEC and both to the IAC, see below). By this means the Regions will be fully involved in the decision making and executive actions of ICNDT and ICNDT will have direct communication links to the Regions.

The ICNDT Executive Committee (IEC) will be made up of a Chairman, General Secretary, Treasurer, Regional Representatives (one for each Region – currently four), the Past Chairman (*ex-officio*) and the President of the next World Conference (nominated by the WCNDT organiser). The Chairs of ICNDT Committees and Working Groups will be non-voting members.

Note: There will no longer be a direct election of two additional people to the IEC.

An Advisory Committee (IAC) will replace the current Policy and General Purposes Committee. It will provide advice to the IEC and WGs and will meet annually in a different region each time over the four-year cycle.

The membership of the IAC will be:

- Members of the IEC as mentioned above (voting)
- One additional member from each Region as nominated to the General Assembly (voting)
- ICNDT Honorary members (non-voting).

This committee will be chaired by the Chairman of ICNDT (alternate: the Past Chairman).

New fee structure

The fee structure proposed was suggested to the Task Group by the EFNDT Board and has been thoroughly reviewed by the Region/Federation Boards and was approved by the PGP Committee during 2017. The proposal is basically as follows:

- Fees will be based on the size of the member society. Members will be categorised as A, B, C, D or E and will pay the corresponding fee. All categories of member will continue to have a vote at the General Assembly of ICNDT and in their Regional Groups.
- Each Society will choose its category, taking account of its sustainable Gross Annual Income and its own degree of regional and international engagement. (Gross Annual Income takes account of all NDT-related activities of the member organisation, including its divisions and subsidiaries).
- The single fee will replace separate fees for ICNDT and the Regions. Members that wish to participate in more than one Region will pay additional Regional components (60% of the full fee for each additional region).
- Associate Members will pay 75% of the full fee.

Changes to the Constitution and Operating Procedures

The Constitution (V4) and OPs 3, 8, 12 and 15 were approved by the PGP at the internet meeting hosted from Oran in November 2016.

OPs 1, 2, 3*, 4, 5, 6, 7, 11, 12*, 13, 14, 18, 19, 20, 23 and 24 were approved unanimously by postal ballot of the PGP between 10 and 31 March 2017.

OP28 was submitted to postal ballot by the PGP 13-25 April 2017.

*Updated style only. Note that OPs 9, 10, 21, 22, 25, 26 are unchanged and OPs 16 and 17 are superseded.

The current Constitution requires a six-month period for voting on changes to the Constitution. A positive vote by two thirds of the votes cast (excluding abstentions) with a minimum of ballot return of 50% of the voting members was required and this was achieved by the deadline of 1 November 2017. The full set of revised operating procedures was also approved. At the Annual Meeting in January 2018 the membership will be asked to approve the implementation of the new constitution and operating procedures (including fee structure) from the close of the ICNDT General Assembly, to be held in Gothenburg at the ECNDT in June 2018.

MRA and PCB Registration

Multilateral Recognition Agreement (OP19)

- There are currently 44 signatories to Schedule 1 of the MRA, with the addition in 2017 of Mexico, Uzbekistan, Argentina and Sri Lanka.
- Two additional Personnel Certification Bodies – The Non-Destructive Testing Society (Singapore) and the National Centre for NDT in Sri Lanka – were registered under Schedule 2 of the MRA during 2017, bringing the total number of registrants to 14.
- In addition, seven of the original registrants under Schedule 2 of the MRA have successfully renewed their registration in 2017. These are: UkrSRINDT (Ukraine), RTC 'Testing and Diagnostics' (Russia), Relacre (Portugal), UDT-CERT (Poland), Inspecta Sertifointi Oy (Finland), BINDT (UK) and AINDT (Australia).
- Certification Bodies from six countries have recently expressed an interest in becoming registered for MRA Schedule 2. These are: Kazakhstan NDT and Technical Diagnostic Association, Denmark (FORCE Technology), Chinese Taiwan, the Malaysian Society for NDT, Serbia (Zavod Cert Pers) and the Egyptian Society for NDT. They have all been sent details of the application process and their submissions are awaited.

Personnel Certification Body Compliance Assessment (OP20)

- There were no applications for PCB Conformity Assessment in 2017, but one is anticipated for 2018.

Register of External Organisations with an Interest in NDT

Issue 1-4 of this register has been used by the BINDT Secretariat for mailing of ICNDT documents, such as the two recent ICNDT Guides to Qualification and Certification of Personnel for NDT and for Condition Monitoring.

Report of the 8th International Conference on Certification and Standardization in NDT, Vienna, 6-7 June 2017

This important conference focusing on ISO 9712 was mentioned earlier in this report. The CEC Secretary produced a brief report on the conference and included key points from each of the presentations.

Reports on the ICNDT Workshop held at 15th APCNDT in Singapore on Accreditation and Certification

A report is being prepared and will be published on the ICNDT website.

Membership

A total of 40 members had paid their fees by the end of the year, thereby retaining their voting status.

The Membership Committee is chaired by Mr João Conte (ABENDI) and members in the committee are Ms Sharon Bond (CINDE), Mr Les Dick (NZNDT), Dr Mike Farley (Chair, PGPC), Mr David Gilbert (Gen Sec), Mr Ferid Herelli (TNDT), Dr Alexander Mullin (RSNTTD), Dr Matthias Purschke (DGZfP) and Mr Shohei Ooka (JSNDI).

The Membership Committee has been involved with the following activities:

- Review of the ICNDT Strategic Plan.
- Support for the creation of the NDT and Welding Society of Chile (ACHISEND).
- Contacts with institutions in Latin America that develop NDT activities in countries that do not have national NDT Societies: ESPOL/Ecuador, CEADEN/Cuba and ITCR/Costa Rica.
- Process to recommend the NDTC (Sri Lanka) as an Associate Member of ICNDT.
- To recommend COMEND (Morocco) as a full member of the ICNDT.
- Statement to the Egyptian associations about the IEC's decision, declaring the approval of the Egyptian Society for NDT as a full member and Egyptian Society for Industrial Inspection as an Associate Member.
- Contacts with Algerian and Lebanese societies regarding membership of ICNDT.

Website/Journal/Publications

The ICNDT Secretariat has continued to provide updates to members through the website and ICNDT Journal (normally three issues published each year; however, only two were published in 2017), which have been consistently of a high standard thanks to the efforts of Sharon Bond (CINDE) and Corinne Mackle, Zoe White and David Gilbert from the Publishing Department of the British Institute of Non-Destructive Testing.

The German Society, DGZfP, has continued to provide the platform for the ICNDT website. The Facebook page is becoming increasingly popular.

As reported above, a meeting of the Communications Working Group was held during the Asia Pacific Conference in Singapore and thanks go to Group members S Bond, D Courchesne, S Cullman, D Gilbert, G Liming and S Ooka (Chair).

Finance

The audited financial report for 2017 and the budget for 2018 are shown below.

Acknowledgements

ICNDT wishes to thank its Executive Committee members for their efforts during 2017 and acknowledges the support of the Secretariat provided by the British Institute of NDT.

Sajeesh K Babu, Chairman, ICNDT

Balance at 31.12.2017		
	2017	2017
	Income (€)	Expenditure (€)
Opening balance	113,343.06	
Donation from Austrian Chamber of Commerce	-	
Donation from WCNDT	-	
Membership fees (34 at €300/2 at €100)	11,300.00	
Bank account Nr: 290-317-995/01 – interest	11.38	
PCB CA service	-	
MRA Service (OP19)	4866.96	
EQB product: application fees (OP23)	-	
EQB update fees (OP23)	-	
Meeting expenses/Go to meetings		2778.17
Bank account Nr: 290-317-99501 – cost		172.46
Bank expenditures for incoming fees		127.29
Printing costs		-
Office costs		212.91
PCB CA service costs (<i>system administration, insurance</i>) (OP20)		4272.65
MRA/PCB – auditor payment (OP19)		8197.50
EQB service costs (<i>administration and overheads</i>) (OP23 contingencies)		1360.00
Professional service		4560.00
Preparation of ICNDT monographs		-
Supplies (<i>ICNDT badges, flags, etc</i>)		-
Miscellaneous (<i>shipping, conference calls</i>)		-
Total	129,521.40	21,680.98
Allocation to reserves (31.12.2017)	107,840.42	

Pending costs (OP19; OP23; professional service) – €1200

Pending income (Donation, Austria) – €500

Gerhard Aufricht, Treasurer, 13 January 2018, Vienna. Rev 0.

Financial Report – Budget 2018		
	Income (€)	Expenditure (€)
Opening balance (01.01.2018)	107,840.00	
Donation from Austrian Chamber of Commerce	500.00	
Donation from DGZfP (WCNDT Munich)	-	
Membership fees (40 at €300/€100, less pre-payments)	14,000.00	
Bank account <i>Nr: 290-317-995/01 – interest</i>	20.00	
PCB CA service (OP20)	6000.00	
MRA service (OP19)	3550.00	
EQB product – application fees/sales (OP23)	7500.00	
EQB update/maintenance (OP23)	2250.00	
Meeting expenses/Go to meetings		2500.00
Bank account <i>Nr: 290-317-995/01 – cost</i>		300.00
Bank expenditures for incoming fees		200.00
Printing costs		2500.00
Office costs		200.00
PCB CA costs (<i>administration, application, insurance</i>) (OP19)		3550.00
MRA/PCB – <i>audit-process/payment</i> (OP20)		6000.00
EQB service costs (<i>administration, sales, SW adaption</i>) (OP23)		7000.00
Professional service		4500.00
Preparation of ICNDT monographs		2000.00
Supplies (<i>ICNDT badges, flags, etc</i>)		2000.00
Miscellaneous (<i>shipping, conference calls</i>)		500.00
Total	141,660.00	31,250.00
Allocation to reserves	110,410.00	

Gerhard Aufricht, Treasurer, 13 January 2018, Vienna. Rev 02.

Published on behalf of ICNDT by the Publishing Department, The British Institute of Non-Destructive Testing, Riverside Way, Bedford Road, Northampton NN1 5NX, UK

Tel: +44 (0)1604 438300 | Fax: +44 (0)1604 438301 | Email: info@bindt.org | Web: www.bindt.org

The ICNDT is registered as a legalised Association with its seat in Vienna, Austria. Registered Office: 1230 VIENNA, Deutschstraße 10

Chair: S K Babu Email: chairman@icndt.org

www.icndt.org