

# ELEVENTH WORLD CONFERENCE ON NONDESTRUCTIVE TESTING

Las Vegas, Nevada, U.S.A

## 17<sup>th</sup> MEETING OF THE INTERNATIONAL COMMITTEE

November 3, 1985

---

### List of Attendees

Juan N. Baez	Argentina
Lyall S. Heard	Australia
O. Ganglbauer	Austria
Paul de Meester	Belgium
Saete Brisighello	Brazil
Dieter Hanrath	Canada
Renhui Chen	China, PPR
Frantisek Mysak	Czechoslovakia
Svend A. Lund	Denmark
Elisabeth Samusch	FRG
Juha Sillanpaa	Finland
Bertrand Vieillard-Baron	France
Winfried Morgner	GDR
Roy Sharpe	Great Britain
Tibor Konkoly	Hungary
Rajoo C. Bhatt	India
G. Colombi	Italy
Noboru Niwa	Japan
G.M. van Dijk	Netherlands
Arnfinn Jensen	Norway
Zdzislaw Pawlowski	Poland
Manfred Johannes	South Africa
Lee Se-Kyung	South Korea
Jesus Serrano	Spain
Jan Klasson	Sweden
Fredy Rohr	Switzerland
Vladimir Klyuev	USSR
William J. Kitson	United States
Antun Fertilio	Yugoslavia

### 1. Welcome

Mr. Widner opened the meeting at 1:35 p.m. and welcomed those delegates present.

Members were advised of the recent death of Israel Delegate Mr. Golan and since the last ICNDT meeting, the death of Dr. Tenney, one of the founding members of ICNDT. Members paid silent tribute to their two former colleagues.

## **2. Minutes of the 16<sup>th</sup> Meeting**

The Italian delegate asked that paragraph 5 of item 2 be corrected to read "Mr. Colombi pointed out the objective of the WCNDT are also in establishing close contacts and promoting friendship. He stated that conferences should be held in all continents and in all countries and supports the Indian invitation." The minutes were approved as corrected.

## **3. Advisement of Country Representatives**

The updated list of voting and non voting delegates had been circulated prior to the meeting.

## **4. ICNDT Committee Report**

Ms. Risinger gave an update on the present conference. There are 1230 registrants and 145 exhibiting companies. There will be 385 technical presentations and nearly 100 poster presentations. There will be approximately 3000 people attending the meetings and exhibition.

## **5. New Membership Applications**

A letter was received on January 23, 1985 requesting that the NDT Society in Taiwan be considered for membership. Dr. Cheng said that he opposed the request and that it would not be proper to accept Taiwan under article 4.1. of the Terms of Reference since Taiwan does not have international recognition as a separate nation. The Chinese Mechanical Engineering Society is the National Body representing the whole of China, as accepted by the ICNDT in 1979. The NDT Society of Taiwan is an organization representing a local region of China and thus is not qualified to be a member under the present Terms of Reference of ICNDT.

Professor Pawlowski thought it might be useful for delegates to discuss the ramifications of this issue outside of the meeting and defer the decision on this question to the next meeting. A possible solution he felt might be for ICNDT to accept as a new member China-Taiwan. This could be a solution to allow a region operating separately to be accepted into the family of nondestructive testing.

Mr. Sharpe hoped a solution might be found reflecting ICNDT's overriding apolitical objective in furthering NDT. He suggested that "country" in Article 4.1 of the Terms of Reference might be defined as "any state", kingdom, country or other identifiable region with its own professionally organized NDT infrastructure. This would allow China-Taiwan or any similar geographical region to become

eligible for membership if its technical standing in NDT was considered appropriate. Mr. Hanrath stated that the Canadian government was one of many that did not officially recognize Taiwan, and he would have to keep this point in mind if it came to a vote.

Mr. Klyuev, in examining the Taiwan request dispassionately, said that, in his view, the technical content of their proposal probably did not meet the standards expected for ICNDT membership. Having aired this issue in some detail, it was moved from the Chair that a decision on this issue would be deferred until the next meeting.

## **6. Working Group Report**

Dr. Kopineck presented a report on the activities of the ICNDT Working Group on Harmonization of Qualification and Training of NDT personnel, which he chairs. He gave a short history by way of introduction; "We are living in a world with close economic interrelations and with comparable industrial products. Therefore, the procedures for nondestructive testing on these products is very similar. This means that personnel performing these tests need a similar basic knowledge and experience. All testers of a given level should have the same basic knowledge in accordance with internationally agreed requirements, irrespective of whether they have been trained in country A, B, or C. The common goal of Harmonization can best be reached if the required minimum level of knowledge is laid down internationally, that the levels are confirmed by an objective examination and documented by a testimony or certificate, which is mutually accepted and its equivalence recognized.

During the ICNDT meeting in Melbourne in 1979, we discussed how to determine these points of commonality to arrive at an agreed common denominator. ICNDT accepted to recommend the following 4 important points:

- a) Training and qualification should be related to testing methods.
- b) Training and qualification should be divided into three levels
- c) The framework of qualification demands a worldwide determination and coordination of agreed levels of knowledge and skills called "minimum requirements"
- d) Qualifying examinations in individual countries should be carried out by an independent body.

ICNDT accepted these recommendations. In Moscow, 1982, ICNDT adopted the minimum requirements of knowledge for Ultrasonic testing and, a few months later, a letter ballot approved the minimum requirements for radiographic testing. We can now confirm that those accepted minimum requirements are in good agreement with training guidelines already established in many countries and bear a close relationship with present ASNT recommendations. In Moscow, the ICNDT Working Group was asked to continue to work on two tasks and to report progress at this ICNDT meeting;

- a) Determining and establishing minimum requirements for the other testing methods (eddy current testing, magnetic particle testing, liquid penetrant testing and leak testing)
- b) Establishing a model agreement on the mutual recognition of NDT personnel qualification.

From task a. we now have six minimum requirements documents, two are already accepted and the other four have been circulated in draft form. Responding to task b. there is a new document (ICNDT WH23-85). It is based on the draft format presented in Moscow.

Based on the model, bi-lateral agreements have already been signed between NDT societies or committees in Austria, Federal Republic of Germany, Hungary, Poland and Switzerland. Minimum requirements are very important not only for industrial countries but, perhaps equally important for countries starting their NDT educational programs.

The Working Group thought it helpful to give some indication on the total times for training and the percentage of time appropriate to the different topics identified in the minimum requirement documents.

This document (ICNDT WH 22-85) has been circulated.

To demonstrate these recommendations to member societies, an introductory paper was prepared by a sub-group of the Working party under the title (Basic Requirements for National Personnel Qualification and Certification Schemes). This paper contains more than has previously been stated and is intended to introduce ICNDT recommendations into present schemes or newly emerging schemes.

The Committee was asked to adopt the four new minimum requirement documents, the model agreement document and the new basic introduction paper. Dr. Kopineck also proposed, on behalf of his working party, that ICNDT approve the following statement: "The ICNDT has prepared internationally harmonized basic requirements and requests all affiliated national NDT societies and committees to establish qualification and certification schemes according to the recommendation, to conclude agreements on mutual recognition and to recognize all certificates which are issued under this prerequisite irrespective of national source."

In conclusion, Dr. Kopineck recommended that the working group should continue its work to carry out revision of the minimum requirements documents as and when required and to elaborate the requirements for the Level III program concerning other testing methods. Dr. Kopineck tendered his resignation as Chairman of the Working Group. President Widner proposed that a small group (Messrs. De Meester, Pawlowski, Nardoni, Sharpe, Wheeler, and Kopineck) should discuss the question of a new chairman during the next few days, who could give continuity to the work so ably carried on under Dr. Kopineck's guidance.

Australia thought that it was very desirable at this stage that ICNDT should work very closely with ISO on this work. Dr. Kopineck agreed and said that he

had given details of ICNDT progress to ISO Committee TC 135 SC7 at its meeting in Paris in February.

MOTION: Motion by De Meester and seconded by Hanrath.

To adopt the four new minimum requirements and the final version of the model agreement document be adopted in principle and final approval deferred until the 18<sup>th</sup> ICNDT Meeting. Motion carried.

MOTION: Motion by Pawlowski and seconded by Bond

To accept document ICNDT WH 22-85 "Guidelines for Training Times". Motion carried. 26 for, 1 abstention (Argentina).

MOTION: Motion by Kopineck and seconded by Bond

To accept document WH 15-85 on "Basic Requirements for National personnel qualification and certification schemes." Motion carried. 24 for, 1 abstention (Argentina)

MOTION: Motion by Kopineck and seconded by Bond

ICNDT gives internationally harmonized basic requirements to all affiliated national NDT societies and committees and requests them to establish training and qualification schemes according to these recommendations. Motion carried. 20 for, 2 against, 1 abstention (Argentina)

MOTION: Motion by Kopineck and seconded by Van Dijk.

ICNDT presents internationally harmonized basic requirements to all affiliated national NDT societies and committees and requests them to promote agreements on mutual recognition. Motion carried. 20 for, 2 against, 2 abstentions.

MOTION: Motion by Kopineck and seconded by Van Dijk

ICNDT presents internationally harmonized basic requirements to all affiliated national NDT societies and committees and requests them to promote recognition of all certificates which are issued under these prerequisites. Motion carried. 24 for, 1 against, 1 abstention

Dr. Kopineck thanked all members of ICNDT for their support on these motions and hoped the Working Group would continue to operate successfully under its new chairman.

## **7. Future International Conference Dates**

Ms. Risinger requested that all countries submit their future conference dates for distribution.

## **8. Proposal for the Next WCNDT**

President Widner advised members that the Netherlands had been given “approval in principle” for the 12th WCNDT. He also stated that before the meeting he had received a formal request from Brazil also to host the 12<sup>th</sup> WCNDT.

Discussion ensued, and both the Netherlands and Brazil presented their proposals.

Mr. Widner advised the delegates that a vote to decide the venue of the next meeting would be taken at the 18<sup>th</sup> meeting of the ICNDT.

## **9. Old Business**

President Widner read a letter from Professor Mundry who was unable to attend. He sent his best wishes for a successful world conference.

## **10. New Business**

Mr. De Meester proposed that the 18<sup>th</sup> agenda carry an item for a vote on the next date for the ICNDT meeting as well as the site. Discussion started to develop, but was terminated. The Netherlands advised of their proposed date: April 1989. Brazil advised of their proposed dates: October 1988 or the beginning of 1989.

## **11. Agenda Items for the 18<sup>th</sup> Meeting**

(see attached)

## **12. Adjournment**

Meeting adjourned by President Widner at 5:00 p.m.

Respectfully submitted,

Beth Risinger  
General Secretary