



The World Organisation for NDT

Version	Record of change	Responsible	Status
Revision:5.2	This version follows from the IEC Teleconference of 2010-01-18. The tables have been reformatted by JRT. Comments by Prof Klyuev accepted	John Thompson	2010-01-19

ICNDT STRATEGIC PLAN

1. PROCESS

At the General Assembly in 2008 it was agreed that the Executive Committee would draw up a Strategic plan covering the next four years. The document was reviewed and generally agreed by the PGP, meeting in Yokohama on 8 November 2009. It is now being posted on the ICNDT website and comments are invited from the full membership. It will be presented to the General Assembly in June 2010 in Moscow.

The ICNDT's objectives are reviewed and the global situation in which ICNDT operates is considered. There is then a SWOT (Strengths, Weaknesses, Opportunities and Threats) analysis, against the Objectives which should identify gaps in our activities and develop specific strategies and matching Action Plans.

2. OBJECTIVES OF ICNDT

ICNDT is a non profit association devoted to the international development of the science and practice of Non-Destructive Testing, in conjunction with individual already existing NDT societies and recognised Regional Groupings of NDT societies. ICNDT's activities are dependent on the voluntary actions of its members. The purposes are, in particular, to:

- i. direct its prime focus on, to promote and support Non-Destructive Testing (NDT) at an international level for the benefit of the involved public in general;
- ii. promote international collaboration in all matters relating to NDT, including collaboration with international organisations with an interest in NDT, e.g. International Organisation for Standardisation (ISO), International Institute of Welding (IIW), International Atomic Energy Agency (IAEA), United Nations Development Organisation (UNIDO), World Federation of NDT Centres etc;
- iii. encourage the foundation, development, strengthening and cooperation of existing and new national and regional NDT Societies;
- iv. assign the place and organisation of the World NDT Conference to an appropriate NDT society or group of societies, at intervals of four years;
- v. establish and implement membership policies of ICNDT in collaboration with Regional Groupings of NDT societies;
- vi. award distinctions honouring outstanding services in the area of Non-Destructive Testing;
- vii. encourage the formulation of international standards on Non-Destructive Testing in collaboration with the International Organisation for Standardisation, and other standards bodies;
- viii. promote best practices in NDT and to encourage international harmonisation in this area.

3. SITUATION ANALYSIS

The scenario in which the ICNDT and its member societies operate may be summarised as follows:-

- i. NDT business in all its aspects (including personnel, company equipment, services, and industrial applications) is increasingly “globalised” and subject to standards, directives, regulations and specifications which are determined outside national boundaries. These are sometimes regional (e.g. PED), sometimes sectoral (e.g. ASME, NADCAP), sometimes international (e.g. ISO, IAEA, IAF...) and sometimes specific to the global operations of large companies.
- ii. In-Service NDT (for condition monitoring, life estimation and life extension) is now as important as NDT in manufacture and increasingly important in a safety-conscious world.
- iii. The breadth and depth of technologies encompassed by NDT is increasing and many member societies now cover condition monitoring and diagnostic technologies as well as traditional NDT.
- iv. There are shortages of NDT personnel in some countries
- v. New challenges are likely due to the economic downturn in 2009
- vi. ICNDT has a long history and very broad membership (over 50 countries) and with legalisation in 2008 provides a stable platform for more effective representation and support of the membership and the wider NDT community.
- vii. ICNDT’s role as an association of NDT societies is complementary to the roles of individual member societies. Even in situations where members cannot find a consensus ICNDT has a role to play in providing a forum for information debate and discussion so that individual members are better informed.
- viii. ICNDT includes among its members NDT Societies which range from the very small to the very large with corresponding differences in budgets and resources. Some NDT Societies focus completely within their own countries whilst others have much more international involvement. Several of the larger societies have a track record of working with and supporting smaller societies.

4. STRENGTHS AND WEAKNESSES OF ICNDT

	OBJECTIVES	Strengths	Weaknesses	Opportunities	Threats
1	To direct its prime focus on, to promote and support Non-Destructive Testing (NDT) at an international level for the benefit of the involved public in general.	<ul style="list-style-type: none"> - Internationally recognized - Can pool knowledge - Share experiences - Members are NDT experts - Liaison with other organizations <ul style="list-style-type: none"> • IAEA • ISO TC 135 • ISO TC 135 SC7 - Members in other organizations 	<ul style="list-style-type: none"> - Lack of resources <ul style="list-style-type: none"> • Funds • Manpower - Not in good contact with public at large - Inward focus, lack of clarity of purpose - Insufficient knowledge of member wants - Lack of educational and promotional materials - Lack of International NDT library of available Handbooks and similar materials - Lack of agreement on priorities 	<ul style="list-style-type: none"> - Modern communications, networking - Development of press releases - Build on member society capabilities - New brochures on NDT - Present in conferences for materials & testing 	<ul style="list-style-type: none"> - May be viewed as less important than other technologies - Other bodies with more specific objectives
2	To promote international collaboration in all matters relating to NDT, including collaboration with international organisations with an interest in NDT, e.g. International Organization for Standardisation (ISO), International Institute of Welding (IIW), International Atomic Energy Agency (IAEA), UNIDO, World Federation of NDE Centres, CEN etc.	<ul style="list-style-type: none"> - Established linkages and increased recognition from organizations such as ISO & IAEA 	<ul style="list-style-type: none"> - Not enough influence with IAEA, ISO, CEN - Lack of knowledge about liaison organizations - Lack of strong and continued representation - Lack of agenda 	<ul style="list-style-type: none"> - collaborative programs and publications 	<ul style="list-style-type: none"> - Other organizations may have declining interest in NDT
3	To encourage the foundation, development, strengthening and cooperation of existing and new national and regional NDT Societies.	<ul style="list-style-type: none"> - Good track record on all aspects - Provide model for NDT societies - Member societies interested in working with new societies 	<ul style="list-style-type: none"> - Resources to support are primarily with member societies – not ICNDT 	<ul style="list-style-type: none"> - Additional geographic areas - Offer to provide links to experts 	<ul style="list-style-type: none"> - Competitive Organizations

	OBJECTIVES	Strengths	Weaknesses	Opportunities	Threats
4	To assign the place and organisation of the World NDT Conference to an appropriate NDT society or group of societies, at intervals of four years.	<ul style="list-style-type: none"> - Well recognised (only World Conference) - Increasing interest - Brings a broad spectrum together - Well formulated procedures and guidelines - Well established timetable interleaving with Regional Conferences 	<ul style="list-style-type: none"> - Potential conflict in role(s) of WCNDT - Quality is variable - Lack of student participation 	<ul style="list-style-type: none"> - Bring in or involve other people <ul style="list-style-type: none"> • Especially outside of the NDT Community 	<ul style="list-style-type: none"> - Other conferences <ul style="list-style-type: none"> • Member Societies • Materials Societies • Industry Groups - Modern communications
5	To establish and implement membership policies of ICNDT in collaboration with regional groupings of NDT societies.	- new Constitution recognises Member societies and Regional Groups	- application process is too slow	- possible new regional groups in central Asia and in Middle East	
6	To award distinctions honouring outstanding services in the area of Non-Destructive Testing.	<ul style="list-style-type: none"> - Well defined processes in place for awards 	<ul style="list-style-type: none"> - Only reinforces what happens anyway - Political (geographical) influence of votes - Lack of awareness in Member Societies 	<ul style="list-style-type: none"> - increase prestige - Adopt a simpler process modelled on EFNDT to reward volunteer effort 	<ul style="list-style-type: none"> - Competition from similar national awards
7	To encourage the formulation of international standards on Non-Destructive Testing in collaboration with the International Organisation for Standardization, and other standards bodies.	<ul style="list-style-type: none"> - History - Representation - ISO meetings frequently held in conjunction with WCNDT 	<ul style="list-style-type: none"> - Difficult to harness resource - Disagreement of members about content - ICNDT not doing much - Inertia of getting standards in place 	<ul style="list-style-type: none"> - ISO showing signs of listening - Condition monitoring standards - More ICNDT/ISO Workshops as at Shanghai 	<ul style="list-style-type: none"> - Regional or local standards may conflict with ISO
8	To promote best practices in NDT and to encourage international harmonization in this area.	<ul style="list-style-type: none"> - Conference presentations/ interactions both WCNDT, Regional and national on special topics - Guide 	<ul style="list-style-type: none"> - Lack of common database, question bank - Lack of literature by ICNDT on best practices 	<ul style="list-style-type: none"> - Additional guides - Improve accreditation process - Coordination of Regional efforts 	<ul style="list-style-type: none"> • Competition from Regional Groups

5. AREAS FOR ICNDT ACTION

There are four key areas for ICNDT action:

- i. Support for NDT Societies
- ii. Promotion of importance of NDT, better links to external bodies
- iii. NDT Qualification and Certification
- iv. NDT Education and NDT Research

For each area an Action Plan has been produced.

6. ACTION PLANS

These are tabulated below. The tables show the Action proposed; the anticipated cost to ICNDT, supporting Societies; Working groups/Committees/members/ individuals responsible and proposed completion dates.

ICNDT members able to contribute to these actions are asked to advise the Secretariat

ACTION PLAN 1: SUPPORT NDT SOCIETIES

Task Leader: J. Conte

Group: Membership Committee

	Action (What)	Cost (€)	Who?	When?	Progress Remarks	Exec Decision
1	Set up series of Workshops in conjunction with Conferences, General Assemblies, on sharing best practice. Collaborate with IAEA where appropriate.					
	a) Central Asia		Marshall	10 th ECNDT		
	b) Middle East		Gallagher			
	c) South/Central America		Conte			
	d) Africa		Marshall	Next AFNDT		
	e) APC		Barnett			
2	Enable ICNDT National Societies to better demonstrate their recognition of the value of the support given by volunteers. Create a Certificate to recognise the work of Volunteers		Farley/Holliday	asap		
3	Articles on Societies activities and development for ICNDT Journal		Gilbert	ongoing		
4	Input to NDT.net		Gilbert			
5	Support for AFNDT/SAINT in run up to Durban		Farley			
	Discussion at PGP Organise special IEC mtg to focus on this task		Purschke/Bond Johannes/Farley	Complete Complete		
6	ICNDT promotional leaflet similar to EFNDT one		Gilbert	June 2010		
7	ICNDT to provide a website shell scheme for new NDT societies		Gilbert	June 2010		
8	Develop membership rules further regarding full or associate membership		Conte/Holliday	June 2010		
9	Nominate contacts as buddy/mentor to new societies for specific geographies/languages/cultures and publicise in the ICNDT Journal and on the website		Conte	June 2010		

	Action (What)	Cost (€)	Who?	When?	Progress Remarks	Exec Decision
10	Conduct a survey among all NDT entities of the region of Latina America and Central America: a) Number of members b) If there is a national scheme of training and qualification in NDT c) Number of people trained/qualified currently existing		J Conte	June 2010	New action arising from JC email of 2010-01-16	
10.1	Update the directory of National Societies, including the website of each association and promote a link with the ICNDT					
10.2	Re-register the other entities that carry on some type of NDT activities in the countries that do not have National Societies					
10.3	Encourage, through the Pan-American NDT Committee, the creation of a website for the region, advertising the activities of each country					
10.4	Participate in NDT events promoted in each country to advertise the ICNDT activities and foster the participation of each national society					

ACTION PLAN 2: PROMOTION OF THE IMPORTANCE OF NDT

Task Group Leader: D Gilbert

Group: Communications (Journal/ Internet)

	Action (What)	Cost (€)	Who?	When?	Progress remarks	Exec Decision
1	Wider promotion of existing videos (JSNDI, ASNT, BINDT....) via website		Gilbert	June 2010		
2	Create award for best published case study on the value of NDT – needs discussion		IEC			Further discussion
3.	Map external bodies with interests in NDT		Farley/Gilbert			
	Plan more proactive involvement in key external organisations (ISO, IIW, IAEA, CEOC International) and with other groupings of NDT societies (AFNDT,).					
	ISO – seek liason membership of TC135		Farley	Complete		
	IIW		Baldev Raj			
	IAEA Review IAEA's activities and plans		Purschke/Barnett Farley/IEC	March 2010		
	CEOC International		Farley			
4	Build on progress to date and establish an upgraded website, linked to members websites, to provide an intelligent NDT information portal.		Gilbert/ Cullman			
5.	Wikipedia - ensure quality input and links to “approved” sites					
	a) English					
	b) other languages					
	c) Seek volunteer “champions” via ICNDT Journal and website (eg Gelman, Trampus, Osterloh.....)		Farley/Gilbert	June 2010		
6.	Add NDT and Diagnostic Technologies as a strapline to our letter head – needs discussion		IEC			Needs discussion

	Action (What)	Cost (€)	Who?	When?	Progress remarks	Exec Decision
7.	Prepare a Guide on NDT for risk based inspection- needs discussion since UK HSE have published similar		IEC/ Farley			

ACTION PLAN 3: QUALIFICATION AND CERTIFICATION

Task Group: WG1 **Task Group Leader: John Thompson**

Document title	Revision Date	Revised by	Scope of revision	Circulated to WG1
WG1-03_Action Plan	2009-08-17	JR Thompson	Synchronised with ICNDT Strategic Plan (revision 3A). NOTE: the ICNDT strategic plan is now at Rev 5	2009-08-24
WG1-03_Action Plan	2010-01-04	JR Thompson	Superficial review following the first WG1 meeting in Yokohama, and prior to an IEC virtual meeting in January 2010.	2010-01-04
WG1-03_Action Plan	2010-01-18	JR Thompson	Reformatted and rationalised following IEC Teleconference	

Assignments are proposed by the chairman for acceptance by the nominated WG1 member. Where primary and secondary (or backup) responsibilities are stated, this is to (a) spread the workload, (b) ensure continuity in the event that an individual ceases to be a WG1 member, and (c) improve the likelihood that at least one member responsible for a particular assignment will be in attendance at a WG1 meeting. It is up to the individuals assigned to a task to divide up the work between them.

Action item / project		Cost €	Who?	When?	Progress / remarks	IEC decision
X	COMMITTEE ADMINISTRATION					
1	Regularly review and update the Group's objectives (this Action Plan).	Nil	WG1 Chairman	at each physical meeting.		
2	Referring to WG1-03 [action plan] and to WG1-02 [terms of reference]) - consider broadening terms of reference. <i>Action 14 from March 2009 Executive Committee: "Mr Thompson had drawn these up based on guidelines provided by Dr. Farley. Mr. Holliday noted that the emphasis was on central certification. It was agreed to accept these [ToR] pro tem and suggest they be broadened in the future to include other schemes, for example company-based certification and EN4179/NAS410.</i>		WG1 Chairman	Nov 2010	The 2009-11-09 WG1 meeting did not address this topic, which would remain as an item to be dealt with between meetings. Action WG1/09/02	

Action item / project		Cost €	Who?	When?	Progress / remarks	IEC decision
A	COMMUNICATION AND KNOWLEDGE SHARING					
1	Establish lines of communication with Qualification and Certification group(s) in ICNDT regions (Africa, Europe, America, Asia) with a view to co-ordination of activities. Responsible WG1 member(s) to provide written report of regional meetings for circulation to WG1 members.	Nil	See remarks column	Ongoing Task.	Asia Pacific – D Barnett; Geng Rong Sheng EFNDT – M Purschke; A Mullin Africa – Mohd Maqbool Ahmed Pan-America - J Filho; R Nisbet Except for Africa region, reports were submitted and reviewed at 2009-11-09 meeting. Mr. Beetge having resigned, a new representative is required for the Africa Region.	
2	Liaison with TC135 - Subsumed within item 3 (as item 3a: ISO TC135 etc., Liaison), which is broadened to include all liaison activity	Nil	J Thompson		This row to be removed after next physical meeting.	
3	Seek liaison and/or Observer status with relevant organisations					
	a). ISO TC135 SC7 and relevant WG	Nil	Primary: JRT Secondary: M Farley		Following a 2009-02-18 e-mail request to TC135 Chairman. ICNDT WG1 has been given official SC7 liaison status.	
	b). International Accreditation Forum (IAF).	Nil	John Zirnheld		2009-02-18. WG1 Chairman e-mailed Dr. Roy Swift. Agreed that John Zirnheld would provide the liaison between ICNDT WG1 and IAF. JZ report presented at 2009-11-09 WG1 meeting, recommendations included participation in review of 17024 and, in due course, perform as an accreditation body.	
	c). ISO CASCO WG30 (revising ISO/IEC 17024)	Nil	J Thompson		2010-01-04. WG1 Chairman, John Thompson, is formally nominated ISO TC135 observer at ISO/CASCO WG30 meetings (revision of ISO 17024). Next meeting in Geneva, 22-24 February 2010.	

	Action item / project	Cost €	Who?	When?	Progress / remarks	IEC decision
	d). ASME and similar bodies on NDT personnel qualification matters [previously item 8]	Nil	Ron Nisbet; John Zirnhelt		RN reported at 2009-11-09 WG1 meeting (his report was annexed to the minutes of that meeting)	
	e). ICNDT WG3 (Education) [previously item 10]	Nil	J Thompson		Liaise with WG3 on education where it overlaps with training. Not discussed at 2009-11-09 WG1 meeting (action to identify and appoint formal liaison carried forward)	
	f). International Atomic Energy Agency (IAEA) [previously item 5]	Nil	D Barnett / J Filho		Re-establish formal liaison with IAEA with a view to co-operation on NDT personnel qualification and certification matters at ICNDT regional group level. DB reported that the IAEA RCA funded project on Q&C is nearing conclusion. There would next be a shift in focus to Pan-America and Africa. A Brief report was attached to the minutes of the 1 st WG1 meeting.	
4	Create directory of NDT personnel certification bodies, with scopes of compliance, numbers of persons certificated and certificates issued, etc., maintaining this up-to-date.	Nil	Sajeesh K Babu	Nov 2010	First phase of task completed and report presented at 2009-11-09 meeting of WG1. Report to be presented to IEC once clarification on certificates issued versus certificates valid is obtained.	
5	Subsumed within item 3 (as item 3f: IAEA Liaison), which is broadened to include all liaison activity	n/a	JRT		This row to be removed after next physical meeting.	
6	Provide guidance for developing countries seeking to establish national certification schemes – listing merits of co-operation with established CBs.	Nil	D Barnett; J Thompson.		Agreed to draw attention to the IAEA guidance for CB QMS. Best done through email and website. To be further discussed at IEC	
7	Plan and organise a regular (annual or biennial) forum on qualification and certification topics, inviting guest speakers with specialist knowledge/experience	Nil	J Thompson; R Nisbet; M Johannes		Agreed to stage workshops at ACNDT (2010), PACNDT (2011) and 10 th WCNDT (2012)	

Action item / project		Cost €	Who?	When?	Progress / remarks	IEC decision
8	Subsumed within item 3 (d: liaison with ASME), which is broadened to include all liaison activity	n/a	JRT		This row to be removed after next physical meeting.	
9	Provide new and interesting material on qualification and certification in order to keep the ICNDT website updated.	Nil	J Thompson; R Holstein; N Ooka		2010-01-12: JRT asked Stefan for a dedicated WG1 web space on icndt.org where private and public documents would be available to view and download, and for the creation of a Forum on Q,C&A matters.	
10	Subsumed within item 3 (item 3e: Liaison with ICNDT WG3), which is broadened to include all liaison activity	n/a	JRT		This row to be removed after next physical meeting.	
B	GLOBAL HARMONISATION AND RECOGNITION					
1	Establish process for qualification and certification of personnel when 'introducing new NDT methods and techniques'.	Nil	J Thompson		No progress at WG1 level yet, but DIN has proposed the acceptance of DIRT and IRT as new methods for incorporation into EN 473 (and ISO 9712). A similar proposal on UTPA and TOFD may emanate from BSI. WG1 Chairman to monitor and report on progress.	
2	Follow up the Recommendations in the ICNDT Guide and the output from the CEN/ISO Workshop in Shanghai, 2008	Nil			Added on 2009-02-20 at the suggestion of the ICNDT Chairman. Report to Nov 2010 WG1 meeting; Discuss action plan.	
2(i)	<p>7.1 Recommendations to users of central, third party certification</p> <p>When central, third party certification is appropriate, regulators and industry are recommended to specify the use of NDT personnel who are certified in accordance with ISO 9712 or an aligned standard, where appropriate by a Certification Body accredited to ISO 17024</p> <p>Regulators and users should recognise the importance of employers of NDT personnel properly fulfilling their responsibilities to authorise personnel to work (see Section 6) - after first confirming that their employees are adequately trained, experienced and qualified.</p>	Nil	J Thompson	January 2010	This text may be appropriate for insertion into ISO 9712 at next revision. J Thompson to bring to attention of TC 135 Chairman and Secretary.	
2(ii)	7.2 Recommendations to Certification Bodies	Nil	J Thompson	2010	May be overtaken by events (harmonisation	

Action item / project		Cost €	Who?	When?	Progress / remarks	IEC decision
	Certification Bodies are urged to provide certification to both ISO 9712 and relevant aligned standards in order to maximise the value of their certification. In anticipation of future harmonisation, their training syllabi should encompass the requirements of the documents ISO/TR 25107 and/or CP 105 which define the body of knowledge.				of ISO/EN). J Thompson to observe progress on harmonisation.	
2(iii)	7.3 Recommendations to Standards Bodies Standards Bodies ISO, CEN and ANSI/ANST are urged to harmonise their standards for third party certification, whilst allowing within the Standard(s) some flexibility for national conditions.	Nil	J Thompson	2010	Pursued via letters to ISO TC135 and CEN TC138. Joint WG established. With ICNDT a full Liaison member. Maintain observation.	
2(iv)	7.4 Recommendations for future ICNDT activities ICNDT members should share experience on development and operation of multilateral recognition agreements, with a view towards a possible ICNDT initiative to achieve mutual recognition between the EFNDT and APCNDT agreements and extension to other regions.	Nil	J Thompson	2010	See action 3 below.	
3	Develop an assessment and ICNDT accreditation system for NDT PCBs (related to ICNDT Global MLA).		J Thompson, with support from WG1 members		1 st draft by JRT (WG1-05) circulated for comment and discussed at 2009-11-09 WG1 meeting, which agreed to ascertain whether there is support for an ICNDT Global Multilateral Agreement (GMLA) on recognition of NDT personnel certification, based upon national accreditation or ICNDT approval of Personnel Certification Bodies 2010-01-18 Survey form provided for IEC review.	Approve form; authorise survey; review returns
4	Training Syllabuses. Consider whether the ISO/CEN TR should be a normative reference in revised ISO 9712 as well as IAEA Techdoc and CP106, making recommendations to ISO TC135 WG.		J Thompson	Jan 2010	Discussed at 2009-11-09 WG1 meeting; will recommend normative reference to CEN/ISO TR 25107.	

Action item / project		Cost €	Who?	When?	Progress / remarks	IEC decision
5	Encourage harmonisation and recognition of certification through regional multilateral agreements, assisting with documentation where requested (this item also related to items B2(iv) and B3 above.		J Thompson D Barnett		WG1 Agreed need to survey members on the development of ICNDT Global Multilateral Agreement for NDT personnel certification 2010-01-18 Survey form provided for IEC review.	Approve form; authorise survey; review returns
6	Provide new and interesting material on qualification and certification in order to keep the ICNDT website / journal updated.		N/A		Moved to section A (communications and knowledge sharing) number 9.	
7	Annually review and, if necessary, update the ICNDT Guide and Recommendations on NDT personnel Qualification and Certification.		J Thompson/ M Purschke		Awaiting revision of ISO 9712 and EN 473	
8	Establish ISO 'interpretation panel'.		J Thompson G Aufricht		Awaiting revision of ISO 9712 and EN 473 IEC has to review insurance requirements further.	
9	A task group under WG1 to explore the pros and cons for an English language bank of examination questions.		Thompson, Delfini and Purschke.		Survey of members initiated 2010-01-04. Results of survey to be used to inform strategic decisions on further actions by IEC	Review returns; authorise work

ACTION PLAN 4: EDUCATION AND RESEARCH

Task Group Co-Chairs: Baldev Raj and Matt Gallagher **Group: WG 3** Membership to be proposed

	Action (What)	Cost (€)	Who?	When?	Progress/ Remarks	IEC Decision
1	Global survey of NDT Education at University level: a) Batchelors and Masters level degrees b) NDT content of general engineering courses		Gallagher/ Venkataraman./ Krstelj	June 2010	Building on European survey and report by Prof Krstelj.	
2	Continuing education - Propose use of website to provide a Bibliography of papers which are recommended for the purposes of Continuing Professional development (aimed at level 3)		Gallagher/ Gilbert			
3	Promotion of international partnerships between Universities to facilitate NDT education at University level, starting with a survey of existing international partnerships, for publication on the ICNDT website		Gallagher		e.g. University of Northampton	
4	Relationship to WFNDE: a) arrange meeting b) consider if ICNDT can promote WFNDE modules		Farley Baldev Raj /Farley			
5	Integration of Education and Training routes with University modules and professional status – paper for next ICNDT Journal and website		Gallagher/ Venkat			
6	Training guidelines for novel techniques (Cooperation with WG1)				DRT, IRT, TOFD, UTPA, etc.	
	a) circulate existing PCN syllabuses for review		Thompson/ Venkataraman			
	b) pursue harmonisation of syllabuses with Dutch with intention to present an ICNDT proposal prepared in ISO style to the ISO		Thompson/ Venkataraman			

	Action (What)	Cost (€)	Who?	When?	Progress/ Remarks	IEC Decision
7	Publicise existing NDT education materials on ICNDT website		Gilbert	June 2010	DGZfP has a set of these in English as a pdf offered free of charge Could improve by linking in graphics of applications Iowa State has these on its website – provide link NDT Resource centre ASNT website- provide link	
8	Special International Thematic Workshops					
8.1	Workshop on NDT for Regulatory Personnel – Enhancing understanding and comprehension of NDE for regulators		Johannes/ Baldev Raj/ Thompson	2012 2010	To be held in Durban during the WCNDT Draft programme proposal for discussion at AFNDT	
8.2	International Workshop on NDE in the Power sector		Baldev Raj/Farley			
8.3	International Workshop on Imaging NDE a)Timing to be decided a) India 2011 b) Durban (South Africa) b) link to Proceedings of previous Workshop		a) Venkataraman b)Johannes c) Gilbert	ASAP		
8.4	Create specialist Forums on ICNDT website Eg NDE of Cultural Heritage and art objects (USA,Israel,Italy,India...) or NDE of Structures or Condition Monitoring and Diagnostic Technology Produce article for ICNDT Journal inviting potential “champions” to volunteer		Venkataraman/ Gilbert/ Gallagher Gallagher			

	Action (What)	Cost (€)	Who?	When?	Progress/ Remarks	IEC Decision
9	Produce ICNDT Monographs	TBC			Note: Honorarium to Editors, Chapter Contributors and Printing Expenses Approx. total expenses per monograph of 4 editors and 4 additional authors and printing charges ~\$10,000. Indian NDT Society will meet these expenses and collect royalty from sales.	
9.1	Confirm Editorial approval process in accordance with ICNDT Operating procedure		Farley			
9.2	Include financial sponsorship (and terms of pay back) from ICNDT in next budget		Aufricht		Completed	
9.3	Define ICNDT house –style for printing of monographs		Gilbert		ASAP	
9.4	Organise production, review and printing of Monographs		Baldev Raj/ Venkataraman / Gilbert			
9.5	Advanced NDE (<i>IAEA has printed as Tec Doc</i>)		Venkataraman / Gilbert	ASAP	Set up a weblink	
9.6	NDE of Concrete Structures					
9.7	Practical Guide to Infrared Thermography		contributors identified	Priority		
9.8	Applications of electromagnetic radiations in materials characterisation					
9.9	NDE for Cultural Heritage		contributors identified	Priority		
9.10	Phased arrays				new topic for further consideration	
9.11	TOFD				new topic for further consideration	
9.12	NDT Academia - establish relationship		Baldev Raj			
9.13	Residual life estimation and forecast of extended operation life		Klyuev		new topic for further consideration	

7. SUMMARY

A thorough review of ICNDT's activities and the opportunities has been completed. Key strategies have been identified and Action Plans drawn up with the immediate priorities being those "quick-wins" which can be achieved at modest cost.

The Strategic Plan is a "live-document". It will be subject to further elaboration and remains open for comment and revision by the Membership through the General Assembly and Policy and General Purposes Committee..

8. ACKNOWLEDGMENT

The Chairman and Executive Committee thank the individuals who have given time and effort to the preparation of this plan by their participation in meetings and drafting work.

9. FURTHER INFORMATION

Please contact the ICNDT Secretariat (David.Gilbert@bindt.org)