

Information and Communications Technology Standards Consultative Committee



ICTSCC Annual Report 2010
December 2010

Scope

Standardization in the field of information and communications technology.

Information and communications technology encompasses *information technology* and *telecommunications*. *Information technology* encompasses the specification, design, and development of systems and tools dealing with the capture, representation, processing, security, transfer, interchange, presentation, management, organization, storage, and retrieval of information. *Telecommunications* encompasses the transmission, emission, and reception of signals, writings, images, and sounds by electrical, electronic, or electromagnetic means.

Information and Communications Technology Standards Consultative Committee

0. Terms of Reference

1. To advise NSAI and Government on matters related to the introduction of information and communications technology standards.
2. To review the general operation of European and international information and communications technology standardization programmes and co-ordinate national participation in such programmes.
3. To initiate and co-ordinate industrial participation in European and international technical programmes relating to information and communications technology standardization.

1. Membership

Mr. Mícheál MacConmara, HP-Interex, Chairman
Dr. Ian Cowan, NSAI, Technical Secretary
Mr. Brian Abbott, NSAI, Shadow Technical Secretary
Mr. Ultan Carroll, SID2U (till June)
Dr. Martin Chapman, Oracle Ireland
Mr. Michael Everson, Evertime
Mr. Edmund Gray, CP3 Software Solutions
Mr. John Hickey, Alcatel-Lucent
Mr. Bob Jolliffe, Consultant (from June)
Mr. Brendan Kernan, GS1 Ireland
Mr. T. Landers, Microsoft Ireland
Mr. Alec Leckey, Intel Ireland
Mr. Peter Lonergan, Consultant
Mr. Simon Loughran, Certification Europe (from June)
Mr. Michael McLaughlin, DecaWave
Dr. Richard Nealon, Irish Information Security Forum (till June)
Mr. Barry O'Brien, IBM Ireland
Mr. Rory O'Connor, Dublin City University
Ms. Sarah O'Donnell, Certification Europe (till June)
Dr. Michael Peirce, Daon
Mr. Matias. Peluffo, Systimax Solutions
Mr. David Prendergast, AIB Group (from June)

- 1.1. Subcommittee 02: Software Engineering:** Dr. Rory O'Connor (Convener), Dublin City University
- 1.2. Subcommittee 03: Telecommunications:** Mr. Peter Lonergan (Convener), Consultant
- 1.3. Subcommittee 04: Codes, Character Sets, and Internationalization:** Mr. Michael Everson (Convener), Evertime
- 1.4. Subcommittee 06: Generic Cabling Systems:** Mr. Matias Peluffo (Convener), Systimax Solutions
- 1.5. Subcommittee 08: Biometrics:** Dr. Michael Peirce (Convener), Daon
- 1.6. Subcommittee 09: Automatic Identification and Data Capture Techniques:** Mr. Michael McLaughlin (Convener), DecaWave
- 1.7. Subcommittee 10: IT Security Techniques:** Ms. Sarah O'Donnell (Convener), Certification Europe (till June); Mr. Simon Loughran, Certification Europe (Convener) (from June)

- 1.8. **Subcommittee 11: Distributed Application Platform Services:** Mr. Terry Landers (Convener) (from February)
- 1.9. **Ad-Hoc Group: Energy Efficiency of Data Centres:** Mr. Raymond Lloyd, IBM Ireland (Convener)

2. Highlights of the Year

- 2.1. **International:** ICTSCC participates in ISO/IEC JTC 1 and a number of its subgroups and subcommittees through NSAI's participating or observer membership. The annual JTC 1 Plenary meeting was co-hosted with BSI in Belfast on November 8-13, and attracted almost one hundred and fifty participants from twenty-seven countries; the national delegation was composed of the Chairman, Technical Secretary, and Microsoft and Oracle representatives; the SC 03 Convener attended part of the meeting as observer. Microsoft was a Platinum Sponsor for the meeting, providing a Gala Dinner in the City Hall; and a business lunch, providing the opportunity of exchanges with local ICT industrial concerns, was provided by InterTrade Ireland with assistance from Invest NI and Enterprise Ireland. These concerns were involved in a wide range of areas: electronic transactions; electronic document and record management; networking equipment; mobile applications consultancy; audio-coding technology; bluetooth marketing; digital content management; training requirements management; software for SME retailers; business management software; academic research in ICT applications; and software across cloud, virtual, distributed, and mainframe resources. The formal SC and rapporteur reports to the Plenary meeting included those from Special or Study Groups on Directives, Digital Content Management and Protection, Smart Grid, Sensor Networks, Accessibility, Energy Efficiency of Data Centres (convened by an Irish-nominated representative from IBM Ireland, and reconstituted for a further term), Green IT, and Planning. Other significant participation continued in the areas which are mirrored by ICTSCC/SCs; in particular, the creation of ICTSCC/SC 11 to mirror the newly created JTC 1/SC 38 work, and an ICTSCC/AHG-EEDC to mirror that of the JTC 1/SG-EEDC. The 2010 Plenary meeting of ISO/TC 37: Terminology, including those of its SCs, with which the Committee has a liaison, was hosted by NSAI in Dublin on August 15-20, and attracted almost one hundred participants.
- 2.2. **European:** In addition to continuing participation in the formal standardization programmes of the European bodies CEN/CENELEC and ETSI, there was continued overseeing of participation in CEN/CLC ICT Forum Workshop Agreements and ETSI Projects. CEN/CLC ICT Forum activities were expanded by creation of new Workshops in the areas of Core Cross Industry Invoice European Message Implementation Guideline (a common project between CEN Workshops B11 2, eBES, and eInvoicing), and Global eBusiness Interoperability Testbed methodologies – Phase 2. In the Workshop dealing with Curriculum for training professionals in Universal Design, for which NSAI has provides the secretariat, the CWA was finalized for publication during the year. The CP3 representative on the Committee was made Country Manager in respect of the new European E-Invoicing Platform, and a study was commenced concerning how to optimize national mirror work relating to this. The Committee also considered initiatives subsequent to the European Commission's White Paper Modernising ICT Standardisation in the EU: The Way Forward, to wit: EXPRESS (Expert Panel for the Review of the European Standardization System); FLES (Future Landscape of European Standardization (this being where the ESOs themselves are endeavouring to rationalize services, a signal recent example being the establishment of a common CEN-CENELEC administration); the European Commission launch of a public consultation on the review of the European standardization system; and the Granada Ministerial Declaration on the European

Digital Agenda. As ETSI NSO, NSAI, as advised by ICTSCC, continued to oversee the progression of Public Enquiries and the transposition of ETSI publications. The Technical Secretary attended the November 30 - December 1 ETSI General Assembly and NSO annual co-ordination meeting in Cannes, the former including Adobe Ireland as a separate ETSI member on the national delegation. The latter progressed a new approval process for ETSI ENs, entailing a speed-up of the process where no technical comments are submitted on public enquiry and no subsequent vote is thus required.

- 2.3. National:** In June consideration was given by the Committee to the emerging *de facto* systems providing in the commercial environment postcode systems, and current endeavours to investigate devising another as a national one; SC 04 continued to look at the desirability of avoiding replication and competing systems, and effecting this – and optimizing development and maintenance operations - perhaps through standardization. In October the Technical Secretary made a presentation to the Enterprise Ireland Workshop *Telecoms Standards - Opportunities for Irish Companies*; this was a follow-up to an earlier workshop in January 2009, and included presentations by ETSI and a number of Irish companies which had, with assistance from Enterprise Ireland, commenced participation in standardization through the formal standards organizations and consortia and forums.
- 2.4. Ongoing:** Participation will continue in 2011 in the international and European standardization work programmes within the ICT field, supplemented by further indigenous standardization if required. Policy and regulatory matters impinging upon the introduction of and encouragement of using ICT systems will be closely monitored. The Committee is expected to further its promulgation of activities in key strategic areas, covering areas within its current standardization scope, continuing with those dealing with data centres and energy efficiency, and cloud computing.



Delegates at the November 8-13 Plenary meeting of ISO/IEC JTC 1 co-hosted by BSI and NSAI in Belfast

3. New Publications

Publications of the various types (*e.g.* standards, technical specifications, technical reports) were produced in the areas progressed in 2010; for example, 167 full ISO/IECs were published by ISO/IEC in the area of IT (<http://www.iso.ch> or <http://www.iec.ch>), 20 IT CWAs by CEN (<http://www.cen.eu>), and 139 telecommunication ENs by ETSI (<http://www.etsi.org>).

4. Committee Meetings

The Committee met three times in plenary session, on February 17, June 16, and October 27. Additional individual meetings took place with committee members on specific topics, and of mirror SCs. Extensive use was made of electronic communication, the Livelink collaborative tool via the ISO host in Geneva having a National Mirror Committee server linked to the Global Directory, thus providing a single sign-on for committee members also participating in international technical committees.

5. Participation

5.1. International:

ISO/IEC JTC 1 Joint TC on Information Technology (P-member)

Dr. M. Chapman; Dr. I. Cowan; Mr. T. Landers; Mr. M. MacConmara

JTC1/SG-EEDC Energy Efficiency of Data Centres

AHG-EEDC (inc. Mr. K. Ellis, IBM Ireland; Mr. T. Landers; Mr. C. Sheridan, Intel Ireland)

JTC 1/SC 2 Coded character sets (P-member)

ICTSCC/SC 04

SC 2/WG 2 Multiple-octet codes

Mr. M. Everson

JTC 1/SC 6 Telecommunications and information exchange between systems (O-member)

ICTSCC/SC 03

JTC 1/SC 7 Software and systems engineering (P-member)

ICTSCC/SC 02

SC 7/WG 5 IT Service Management

Ms. Caroline Mouton, Consultant (till February)

SC 7/WG 7 Life Cycle Management & SC 7/WG 10 Process Assessment

Dr. F. McCaffery, Dundalk Institute of Technology

SC 7/WG 24 Software life cycles for very small enterprises

Mr. R. O'Connor

JTC 1/SC 17 Identification cards (O-member)

Dr. I. Cowan; ICTSCC/SC 08

JTC 1/SC 25 Interconnection of equipment and information technology equipment (P-member)

ICTSCC/SC 06

SC 25/WG 3 Customer premises cabling

Mr. M. Peluffo

JTC 1/SC 27 Information technology security techniques (P-member)

ICTSCC/SC 10; (inc. Dr. I. Cowan; Mr. J. Hickey; Mr. R. Nealon (till June); Mr. T. Landers; Mr. D. Prendergast (from April))

SC 27/WG 1 Information security management systems & SC 27/ WG 5

Identity management and privacy technologies

Mr. S. Loughran (from June); Ms. S. O'Donnell (till June)

SC 27/WG 4 Security controls and services

Mr. J. Hickey (from October)

JTC 1/SC 29 Coding of audio, picture, multimedia and hypermedia information (O-member)

ICTSCC/SC 03

SC 29/WG 11 Coding of moving pictures and audio

Mr. F. Neff, University College Cork

JTC 1/SC 31 Automatic identification and data capture techniques (P-member)

ICTSCC/SC 09 (inc. Mr. E. Gray; Mr. B. Kernan)

SC 31/WG 5 Real time locating systems

Mr. M. McLaughlin; Mr. C. O'Donnell, DecaWave; Mr. B. Verso, DecaWave

JTC 1/SC 34 Document description and processing languages (O-member)

Dr. D. Abrahamson, Trinity College Dublin; Mr. B. Jolliffe (from June)

JTC 1/SC 35 User interfaces (O-member)

ICTSCC/SC 04 (inc. Mr. T. Landers (from February))

JTC 1/SC 36 Information technology for learning, education, and training (O-member)

Mr. M. MacConmara

JTC 1/SC 37 Biometrics (O-member)

ICTSCC/SC 08

JTC 1/SC 38 Distributed Application Platform Services (DAPS) (P-member) (from February)

ICTSCC/SC 11 (inc. Dr. M. Chapman; Mr. M. Jacobsen, HP Ireland; Mr. M. Johnsson, Telecommunications Software & Systems Group, Waterford Institute of Technology; Mr. W. Leone, IBM Ireland; Mr. G. Moloney, HP Ireland) (from February)

SC 38/WG 1 Web Services & SC 38/WG 2 Service Oriented Architecture

Dr. M. Chapman; Mr. T. Landers (from July)

SC 38/SG-Cloud Computing

Dr. M. Chapman; Mr. T. Landers; Mr. W. Leone, IBM (from July)

ISO/TC 46/WG 2 Coding of country names and related entities

ICTSCC/SC 04/Mr. M. Everson

ISO/TC 46/WG 3 Conversion of written languages

ICTSCC/SC 04/Mr. M. Everson

ISO/TC 46/SC 4 – ISO/TC 37/SC 2 Technical interoperability – Layout of vocabularies – Joint Working Group

ICTSCC/SC 04/Mr. M. Everson

ISO/TC 46/SC 4/WG 1 Character sets

ICTSCC/SC 04/Mr. M. Everson

ITU-T/SGs International Telecommunication Union/Study Groups

Participation through individual company membership (Co-ordinated by ICTSCC/SC 03)

UN/CEFACT Centre for Trade Facilitation and Electronic Business

Mr. E. Gray

5.2. European:

[CEN/CLC ICT Forum](#)

Dr. I. Cowan

CEN/TC 224 Personal identification, electronic signature and cards and their related systems and operations

Mr. J. Churcher, Railway Procurement Agency; Dr. I. Cowan; Mr. J. Hickey

CEN/TC 224/WG 11 Surface transport applications

Mr. J. Churcher, Railway Procurement Agency

CEN/TC 224/WG 18 Interoperability of biometric recorded data

Dr. M. Peirce

CEN/TC 225 Automatic Identification and Data Capture (AIDC) technologies and applications

ICTSCC/SC 09 (inc. Mr. E. Gray; Mr. B. Kernan)

CEN/TC 304 Information and communications technologies – European localization requirements

ICTSCC/SC 04

CEN/TC 353 Information and communication technologies for learning education and training

Mr. M. MacConmara

CEN/TC 365 Internet filtering and software

Dr. I. Cowan

CEN-WS-Electronic invoices

Mr. E. Gray

[ETSI/GA European Telecommunications Standards Institute/General Assembly](#)

Dr. I. Cowan

ETSI/NSO European Telecommunications Standards Institute/National Standards Organizations

Dr. I. Cowan

ETSI/EPs European Telecommunications Standards Institute/ETSI Projects

Participation through individual company or NSAI membership (Co-ordinated by ICTSCC/SC 03)

EC/E-Invoicing Platform

Mr. E. Gray (Country Manager)

5.3. National Liaisons:

ETCI/TC 11 – Electro-Technical Council of Ireland – Safety of Electronic Equipment within the field of Audio/Video, Information Technology and Communication Technology

ETCI/TC 12 – Electro-Technical Council of Ireland – Electronic Communication Systems

ETCI/TC 14 – Electro-Technical Council of Ireland – Electric Cables

ETCI/TC 16 – Electro-Technical Council of Ireland – Electromagnetic Compatibility

ETCI/TC 20 – Smart Grids, Renewables, Electric Vehicles and Energy Efficiency

NSAI/HISC – Health Informatics Standards Committee

NSAI/ISO/TC 46/IG – Information and documentation – Interest Group (through ICTSCC 04)

NSAI/ISO/TC 37/IG – Terminology and other language and content resources – Interest Group