ANNUAL REPORT 2019

NSAI TECHNICAL COMMITTEES

INNOVATION MANAGEMENT – NSAI TC45

Contents

1 Chairman's Statement

I am happy to present this second annual report on behalf of the NSAI TC45 committee for 2019.

Today, April 2020, we are living through unprecedented times with COVID 19 challenging the basic structures of how we work not just in industry, but in all organisations. It means we have had to change routines and behaviours and find creative ways to still get things done within set constraints.

When we emerge from this, we will have changed a lot of our traditional habits and behaviours and key will be to retain those that add value over our current work and lifestyle routines and adopt them into our future work practices.

Such required changes in habits and behaviours, is ironically a core concept of human centric innovation (apart of course from the tragic human loss of life that will incur through this deadly virus).

During the past year our NSAI TC 45 innovation committee saw a major increase to our team, with 13 new members joining during 2019 from key influential organisations to support the dissemination of the ISO guide standards out to micro, small and medium companies across Ireland. We also had 4 of our committee members attend key plenary and working group meetings of ISO TC279 on Innovation Management that took place in Stockholm in May 2019. Then later in the year we had a brilliant joint launch of ISO 56002 and the aligned 'Innovation Excellence Programme' (IEP) with Skillnet Ireland in the Ibec HQ in Dublin, where we had Minister Pat Breen, DBEI and four key state agencies involved in innovation supports - IDA, EI, LEOs and SFI – all state what their intent is to add value to their client base by using the new ISO 56000 series of guidance standards on Innovation Management.

What made the greatest impact for me personally at our exciting launch event was the two SME presentations from Dr Noel Kelly, Group CEO Anam Technologies, and Susan Browne, Co-Founder and Sales & Marketing Director, Clevamama, the latter stating on the day:

> *'….I wish we had applied these ISO innovation management principles and best practices 5 years ago, and I would now call on the state agencies to let every SME know the business value this ISO series will deliver for them'*

At the launch we were also able to offered a real and practical solution through the formal launch of the Skillnet IEP program, aligned to the ISO 56002 guidance standard, to offer SMEs an immediate opportunity to implement innovative thinking and activities to help grow their businesses.

This coming year, while things are now more challenging with COVID 19, we will focus on the joint production - with our International ISO colleagues - of some form of SME guide. We will also continue to build momentum behind the adoption and national roll out of the ISO 56000 series, working in close collaboration with key stakeholders in IDA, EI, SFI, LEOs, as well as our new committee members representing the Small Firms Association (SFA at Ibec) and the National Association of Community Enterprise Centres (NACEC).

I have to say a great 'thank you' to each of the TC45 team members for their energy and voluntary involvement, and belief in the value this ISO series of guide standards will give to our SMEs, who now need better customer and consumer outcomes and experiences to compete in global and highly competitive markets.

Naturally I also want to thank the NSAI for their constant support to Irish Industry in facilitating and supporting the TC 45 team on the national roll out and adoption of ISO 56000 series by our national innovation policy and funding programme influencers and managers.

Stay safe and healthy in these challenging times.

Sean McNulty, Chair of NSAI TC45 on Innovation Management

Introduction

Standards on innovation management will allow International and Irish organisations, particularly SMEs, to share their best practices across various aspects of innovation management. This will facilitate collaboration and also develop the capability of Irish-based companies to innovate and to bring new innovations successfully to competitive global markets.

Innovation is key to global competitiveness and human and technological progress over the coming decades. International management system standards on innovation will help break down the existing cultural, structural and organisational obstacles among/between organisations. These standards will provide best practices to support the implementation of innovation policies and best practices in SMEs, public institutions, universities, research & innovation centres and non-profit organisations.

To achieve this goal the work focuses on a management system for innovation. To define this management system, international experts will address: terminology, tools and methods such as open innovation, design innovation, strategic intelligence, intellectual property management, creativity management and also assessment of innovation management practices in all types of organisations.

Innovation Policy - Standards as Key Enablers of SME Productivity & Growth

The stated vision of Innovation 2020 – the National strategy for research and innovation – is for Ireland to move from its current position as an 'innovation follower' in the current European Innovation Scoreboard, to a 'Global Innovation Leader'. To help make this vision a reality, a key government strategy within Innovation 2020 is to '*promote standards and regulations as a source of competitive advantage*'. In this context, NSAI has been given the following specific Action under Innovation 2020:

> *"Work with firms to stimulate and support the embedding of standards and regulatory compliance into their R&D (& Innovation) processes"*

The development and implementation of International standards on systematic (versus ad hoc) Innovation Management within Irish-based companies, particularly SMEs, will help NSAI via NSAI TC45 - working in close collaboration with our Enterprise Ireland colleagues and other key national stakeholders, including LEOs, Skillnet Ireland[1], IDA, NACEC[2], SFA[3] and public sector bodies - to deliver on this key action for Ireland over the coming years. As outlined in their comprehensive report[4] and related roadmap[5] launched in 2019, the OECD placed a strong emphasis on the potential for increased engagement in international standards development and use to help improve the capabilities, competitiveness and productivity of Irish SMEs.

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[1] Skillnet Ireland's mandate is to advance the competitiveness, productivity and innovation of Ireland businesses through enterprise-led workforce development

[2] National Association of Community Enterprise Centres (NACEC) is a network of 120 community enterprise centres in the Republic of Ireland supporting Start-ups and SMEs

[3] SFA, Small Firms Association in Ibec

[4] *SME and Entrepreneurship Policy in Ireland (OECD, October 2019)*

[5] *A Road Map for SME and Entrepreneurship Policy in Ireland - A report by the Centre for Entrepreneurship, SMEs, Cities and Regions of the Organisation for Economic Co-operation and Development (OECD, October 2019)*
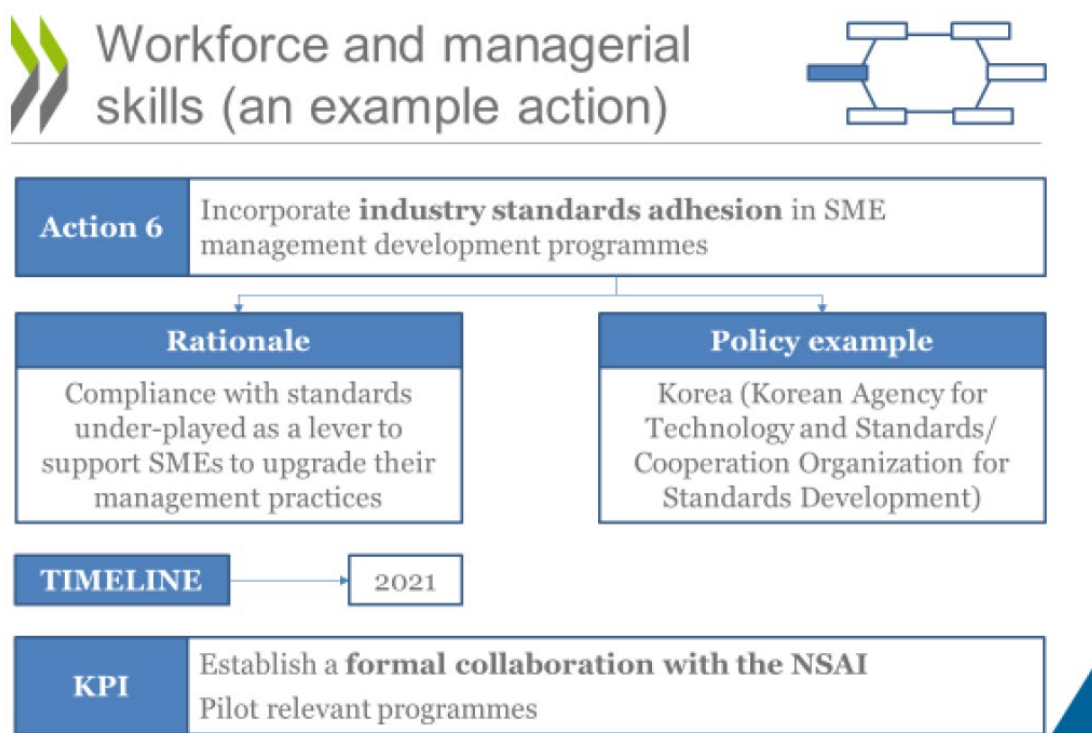
According to the OECD, Ireland's levels of direct SME exports are very low by international standards, with only about 6% of Irish SMEs directly trading across borders. As stated in the OECD roadmap for Ireland:

> *Internationalisation commonly plays a key role in building the productivity, innovation, income generation and niche specialisations of SMEs. Across the world, exporters have been shown to be larger, more productive, more skill- and capital-intensive, and to pay higher wages than non-exporting firms. Evidence indicates that Irish SMEs "learn by export", i.e. improve their productivity by entering and expanding into foreign markets.*

Of course, engagement in international standards development and use can directly support the type of productivity improvement alluded to above by the OECD, including via the implementation of the ISO 56000 series on Innovation Management. In relation to the potential for standards to improve SME productivity in Ireland, the OECD report states:

> *One of the potential levers that has not yet been fully explored in this respect is working with SME management on compliance with international industry standards as a vehicle for upgrading management practices.*

The NSAI & Skillnet Ireland collaboration discussed later in this annual report - initiated and implemented via TC45 expert members representing various state agencies and companies - in relation to the integration of the ISO 56000 on systematic Innovation Management within the new 'Innovation Excellence Programme' via ICT Skillnet is a good example to an initiative that supports the above OECD recommendation. At the launch of the OECD report in October 2019, the OECD presented the slide below – again emphasising the role of standards in helping to 'upgrade (SME) management practices'.

The following section is taken directly from the OECD Roadmap[6] report presented to the Irish government in October 2019, in the context of the above OECD slide / recommendation.

Action 11: Incorporate industry standards adhesion in SME management development programmes

Action

• *Collaborate more closely with the National Standards Authority of Ireland (NSAI) when delivering business development services to SMEs in the form of information, advice, consultancy, mentoring and management training on industry standards adoption.*

• *Include "high potential" SMEs with export ambitions and/or the potential to become part of the value chains of multinational enterprises as a specific target group for this support.*

Rationale

Industry standards are requirements, guidelines, specifications or characteristics that firms apply consistently to ensure that products, processes, materials, and services are fit for purpose. Standards play a key role for quality assurance, enhancing interoperability and technology adoption, and facilitating the division of labour. Compliance with industry standards could be a lever to support SMEs to upgrade their management practices more generally. They are also often critical to enable SMEs to meet the quality requirements of multinational firms, thus facilitating their insertion into supply chains and other modes of collaboration. Adoption of industry standards by SMEs can also support the development of Intellectual Property (IP) and enable e-commerce, as illustrated by the example of the European standard on e-invoicing. Although industry standards adoption does form part of the advice that business development services providers will offer to some SMEs, it is not a systematic part of the business development services system and there seems to be a lack of awareness of the benefits of standards within the Irish policy context.

The NSAI TC45 innovation management committee will continue its efforts during 2020 and beyond to help address the above OECD recommended action, specifically in the context of the broad national roll-out and adoption of best international practices in the systematic (versus ad hoc) and strategic management of innovation across Irish SMEs, as outlined in the new ISO 56000 series of guidance standards.

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[6] *A Road Map for SME and Entrepreneurship Policy in Ireland - A report by the Centre for Entrepreneurship, SMEs, Cities and Regions of the Organisation for Economic Co-operation and Development (OECD, October 2019)*
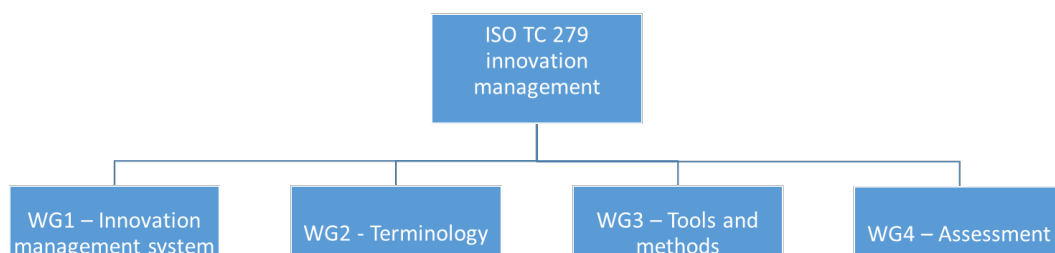
2   Scope of TC

The NSAI TC 45 technical committee mirrors the following international committees:

Committee Name	Committee Title
ISO/TC 279	**Innovation Management** This is now the active international TC on Innovation Management, following on from the initial work of CEN TC 389 outlined above. Refer to section 4 below for details on structure, work programme etc. In summary, the ISO TC 279 working groups are as follows: - WG1 "innovation management system" - WG2 "terminology, terms and definitions" - WG3 "tools and methods" WG4 "assessment"
CEN/TC 389	**Innovation Management** This CEN committee produced the 7-part Technical Specification below: CEN/TS 16555 Parts 1-7 Part 1: Innovation management system. Part 2: Strategic intelligence management. Part 3: Innovation thinking. Part 4: Intellectual property management. Part 5: Collaboration management. Part 6: Creativity management. Part 7: Innovation management assessment **NOTE:** The above European Technical Specifications will be replaced by their ISO 56000 series equivalents by the adoption of the relevant ISO 56000 series guidance standards as ENs (European Norms / Standards) over the coming months and years.

3   Structure and Membership

3.1   Structure

The figure and table below illustrate the structure of the ISO TC 279 Committee, which is mapped directly by NSAI TC45.

Working Group	Topic(s) Covered	Draft Standards – new numbering scheme	• Current Stage • Publication Date (Estimate)	Who – NSAI TC45 Member (to follow, engage)
WG1	Innovation **Management System** - Guidance (IMS)	ISO **56**002	• **Published July 2019**	• Sean McNulty • Paul Killeen
TF1 (directly under TC279)	**Handbook** for ISO 56002 (Innovation Management System)	ISO 56002 Handbook Task Force, TF 1 (in collaboration with UNIDO)	• Draft from UNIDO for inputs & comments (as of March 2020)	• Alan Doherty - • Charlie Tuxworth - • Eoin Flavin • Peter Robbins • Sean McNulty
WG2	**Fundamentals and Vocabulary** (aligned with planned new rev of OECD Oslo Manual)	ISO 56000	• **Published February 2020**	• Sean McNulty
WG2	**Layman's Guide to Innovation & Definitions** *This Technical Specification (TS) will serve as a supporting document to ISO 56000*	ISO/NP TS 5052	• **NWIP***** (at Feb 2020)	• Mary White • Anu Sahni • Joan Hyland
WG3*	Innovation **Partnership** - Guidance	ISO 56003	• **Published in Feb 2019**	**NA**
WG4	Innovation Management **Assessment** - Guidance	ISO/TR 56004**	• **Published in Feb 2019**	**NA**
WG3	**Intellectual Property** Management - Guidance	ISO 56005	• **DIS** (skipped CD) • 2020 / 2021	• Nikos Minas • Mary White (Tomey) • Joe Doyle
WG3	**Strategic Intelligence** Management - Guidance	ISO 56006	• **WD** • 2020 / 2021	•
WG3	**Idea Management** - Guidance	ISO 56007	• **WD** • 2021	• Eoin Flavin • Keith Finglas •
WG3	Innovation Operation **Measurements**	ISO 56008	• **NWIP** / NP • 2023	• Eoin Flavin •
NSAI TC45 Sub Group on **IMA**	**Innovation Maturity Assessment (IMA)** for Ireland, aligned with ISO 56000 Series - *diagnostic audit (based on EI 'Innovation Health Check' / IHC) aligned to ISO 56000 Series framework, that will highlight gaps and opportunities to support SMEs before they decide on what actions to take*	NA	• Ongoing	• Declan Black • Eoin Flavin • Keith Finglas • Charlie Tuxworth • with Sean McNulty and Paul Killeen in supporting roles

Table Notes:
- *Currently all ISO TC 279 documents are 'guidance' standards, without 'requirements' – hence not designed for conformity assessment / certification purposes*
- **WG 3 covers 'Tools & Methods'*
- *** ISO/TR 56004, TR = Technical Report (intent is to use for innovation benchmarking in general vs against ISO 56002 IMS, per PK discussion with ISO chair)*
- **** NWIP = New Work Item Proposal*

3.2   Members

The table below includes the NSAI TC 45 members during the year 2019:

Name	Organisation	Committee Role
Sean McNulty	Dolmen Design & Innovation (Managing Director, Dolmen)	Chairman
Joe Doyle	Enterprise Ireland (Intellectual Property Manager, EI)	Member
Dave Feenan	ICT Skillnet & Technology Ireland Innovation Forum (Manager)	Member
Hugh Henry	Bord Na Mona (R&D and Innovation Manager)	Member
David Trevitt	Innovation Consultant & Innovation Management Lecturer in Maynooth University MSc programme	Member
Dr Pat Lynch	Waterford Institute of Technology, Rikon Group (Innovation research & consultancy for SME clients)	Member
Anthony McCauley	Fujitsu (Head of Research and Development)	Member
Stephen Smith	Innovation Consultant	Member
Dr Bill O'Leary	SFI CONFIRM – National Smart Manufacturing Research & Innovation Centre (General Manager)	Member
Eoin Flavin	Innovation Consultant	Member
Declan Black	Enterprise Ireland (Innovation Development Manager)	Member
Prof Gerry Byrne	Innovation Consultant GBI Ltd.	Member
Laurence Knell	Innovation Consultant StrategicInnovation.ie	Member
Mary White (Tomey)	Hayes McGrath IP Attorneys & Evoquent IP (Business Development & Practice Manager, Trade Marks Attorney)	Member (new, 2019)
Nikos Minas	Hanna Moore + Curley, IP Attorneys (European Patent Attorney, IP Strategy lead)	Member (new, 2019)
Keith Finglas	Innovation Delivery Ltd. Innovation Consultant	Member (new, 2019)
Leo Clancy	IDA Ireland (Head of Technology, Consumer & Business Services)	Member (new, 2019)
Aileen Deasy	Bord Iascaigh Mhara (BIM) Innovation Facilitator	Member (new, 2019)
Charlie Tuxworth	Innovate XL Innovation Consultant	Member (new, 2019)
Alan Doherty	Citi Innovation Lab Dublin (Head of Innovation Design)	Member (new, 2019)

Dr Peter Robbins	DCU Business School (Assistant Professor)	Member (new, 2019)
Ronan Coleman	Innovation and Enterprise Office, Cork Institute of Technology / CIT (Commercialisation Specialist)	Member (new, 2019)
Dave Townley	CTO Neurent Medical	Member (new, 2019)
Colm O Rourke	NSAI Medical Devices (Industry Engagement)	Member (new, 2019)
Dr Anu Sahni	National College of Ireland / NCI (Program Director Innovation & Commercialisation)	Member (new, 2019)
Aideen O'Hora	SustainabilityWorks (Business & Innovation Consultant)	Member (new, 2019)
Derek Bridges	Ariadne Consultants	Member
Mary White	NSAI	Member
William Egenton	Dromone Engineering	Observer
Bernadette McGahon	IRDG	Observer
Paul Killeen	NSAI	Committee Manager

New Members, 2019

As outlined to in the table above, 13 new members joined TC45 during 2019

3.3   Liaisons, ISO TC 279

ORGANIZATIONS IN LIAISON (CATEGORY A AND B)

ACRONYM	TITLE	CATEGORY
CERN	European Organization for Nuclear Research	A
EPO	European Patent Office	A
FICPI	Fédération Internationale des Conseils en Propriété Intellectuelle	A
ISPIM	International Society for Professional Innovation Management	A
LESI	Licensing Executives Society International	A
OECD	Organisation for Economic Co-operation and Development, OECD	A
The World Bank	The World Bank Group	A
UNESCO	United Nations Educational, Scientific and Cultural Organization	A
UNIDO	United Nations Industrial Development Organization	A
WIPO	World Intellectual Property Organization	A
WTO	World Trade Organization	A
UNDP	United Nations Development Programme	B

As illustrated above, during 2019 ISO TC 279 had active liaison relationships with key international players in Innovation Management, including OECD, EPO, WIPO, UNESCO, UNIDO, LESI, World Bank and others who are actively following and participating in the ISO TC279 work programme. For example, per NSAI TC45

manager discussions with the ISO TC279 secretary and Chair, the future revised version of the influential and highly cited OECD Oslo manual on innovation will be aligned with the outputs from ISO TC279. The Chinese and many other countries (45 Participating and 17 Observing members during 2019) are also heavily involved in ISO TC 279 work, such that many believe the outputs from ISO TC 279 could well be the basis for 'the next ISO 9000 series' of key International management system standards, to support the systematic management of innovation systems in organisations of all types and sizes.

4   Summary of 2019 Activities

4.1   National

4.1.1   Meetings & Events

Committee members attended the following national meetings and events:

Meeting No.	Date	Notes
1	25-Mar-2019	N243 - Minutes & Actions
2	07-Aug-2019	N250 - Minutes & Actions
3	07-Oct-2019	N269 - Minutes & Actions
4	16-Oct-2019	Joint NSAI & Skillnet Ireland ministerial launch of ISO 56002 (Innovation Management System, Guidance) & ICT Skillnet 'Innovation Excellence Programme' (aligned with ISO 56002) - Agenda here (N265) Also launch of new NSAI brochure on entire ISO 56000 Series of guidance standards - Brochure here (N266)
5	27-Nov-2019	N277- Minutes & Actions
6	20-Dec-2019	Meeting of NSAI TC45 Taskforce on 'Innovation Management Capability & Maturity Assessment for Ireland' (aligned with ISO 56000 series) N278 – Meeting Notes

4.1.2   National Work

See 'Notes' in table above, and additional comments below.

National Roll-Out of ISO 56000 Series during 2019

NSAI standards developed a new brochure on ISO 56000 series on Innovation Management in collaboration with NSAI PR / Marcom colleagues and an external design consultancy, and ensured its broad promotion and use at various national RDI related events during 2019. Events included a joint NSAI & Skillnet Ireland ministerial launch of ISO 56002 and a new ICT Skillnet 'Innovation Excellence Programme' (IEP, aligned with ISO 56002) on 16th Oct in Ibec HQ in Dublin. Speakers at this joint event included:

- Minister Pat Breen, DBEI

- NSAI CEO, Geraldine Larkin
- Mark Jordan, Chief Technologist Skillnet Ireland
- Sean McNulty, Chair NSAI TC45 & Founder Dolmen Design and Innovation
- Dave Feenan, Manager Technology Ireland ICT Skillnet
- Una Fitzpatrick, Technology Ireland Director, Ibec
- Dr Noel Kelly, Group CEO Anam Technologies
- Susan Browne, Co-Founder and Sales & Marketing Director, Clevamama
- Keith Finglas & Anthony McCauley, ICT Skillnet Innovation Excellence Programme

A panel discussion was also facilitated by Sean McNulty (Chair of NSAITC45) during the event, with the following panel members:

- Declan Black, Enterprise Ireland Innovation Development Manager (and member NSAI TC45)
- Oisin Geoghegan, Local Enterprise Offices
- Leo Clancy, IDA Ireland
- Kevin Walsh, Science Foundation Ireland

Given the significance of the above event, NSAI PR, in collaboration with TC45 committee manager Paul Killeen, prepared an article for the Irish Times[7] to coincide with ISO 56002 & Skillnet IEP launch event, entitled:

New ISO Innovation Management Standard key to unlocking potential of Irish SME sector - Irish SMEs are underperforming in key areas such as productivity and innovation, an OECD report[8] has found

A related news article was also developed and posted on the NSAI website[9] - including references to the OECD report and the ISO-aligned Skillnet IEP programme. A link to the new NSAI brochure[10] providing an overview on the full ISO 56000 series of standards is also included at the same location. Technology Ireland ICT Skillnet also did a great work in promoting the event, including via online registration[11] for event attendees, and the development of a leaflet on their new ISO-aligned IEP programme[12]. The joint launch event was also cover by TechCentral.ie, with an article entitled:

Innovation management standard aimed at SME development - ISO 56002 'a powerful tool' for productivity and competitiveness for Irish businesses

The above TechCentral article also includes the following quote:

"The standard provides practical tools and methods on how SMEs can effectively and consistently deliver new products and services to their customers on an ongoing basis"
Paul Killeen, NSAI

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[7] https://www.irishtimes.com/advertising-feature/new-iso-innovation-management-standard-key-to-unlocking-potential-of-irish-sme-sector-1.4047537

[8] *SME and Entrepreneurship Policy in Ireland (OECD, October 2019)*

[9] https://www.nsai.ie/about/news/new-innovation-management-standard-key-to-unlocking-sme-potential/

[10] https://www.nsai.ie/images/uploads/general/NSAI_Innovation_Management_Leaflet_D4_Final.pdf

[11] https://www.ictskillnet.ie/training/launch-event-with-nsai-the-innovation-excellence-programme/

[12] https://www.ictskillnet.ie/wp-content/uploads/2019/08/IEP-Flyer-Comm-Success-v5-2.pdf

Pictured at the launch[13], is Minister for Trade, Employment, Business, EU Digital Single Market and Data Protection Pat Breen TD, with (back L to R) Paul Killeen, NSAI, Una Fitzpatrick, Technology Ireland, Geraldine Larkin, NSAI, Dave Feenan, Technology Ireland ICT Skillnet, and Mark Jordan, Skillnet Ireland.
(Image: Andres Poveda)

4.2   International/Regional

4.2.1   Meetings

During 2019, committee members attended ISO TC279 international meetings as follows:

Committee Name	Location	Date	No. of Attendees
ISO TC 279, Innovation Management • Plenaries • Working Groups	Stockholm, Sweden	13-17 May 2019	4 *Report from NSAI TC45 delegation*

4.2.2   International/Regional Work & Standards Reviewed / Voting Results - 2019

Published International Standards

- ISO 56003 – Innovation Partnerships   N223
- ISO TR 56004 - Assessment   N224
- ISO 56002 - Innovation Management System   N246

Ballots & Voting Results

Reviewed & Approved (with comments in most cases):

- FDIS ISO 56002 (Innovation Management System)
- ISO/DIS 56000 (Fundamentals & Vocabulary)
- ISO/NP 24280, NMIP on 'Innovation Metrics'

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[13] https://www.techcentral.ie/innovation-management-standard-aimed-at-sme-development/

- ISO/NP 56008 Innovation management - tools and methods for innovation operation measurements – Guidance
- ISO/DIS 56005 - Innovation management - Tools and methods for intellectual property management – Guidance
- SME Handbook on ISO 56002 (Innovation Management System)
    - 5 NSAI TC45 members volunteered to participate in ISO Taskforce (directly under the ISO TC) on above SME Handbook
- ISO/FDIS 56000, Fundamentals and vocabulary

Reviewed & Other Result

- Ballot to approve the Disbandment of the ISO/TC 279 WG1
    - 'No' with comments
    - NOTE: Overall 'No' decision by ISO TC 279 on above ballot under review by ISO TMB, given potential implications for potential change requirement for ISO directives
- ISO/CD 56006, Strategic intelligence management
    - Abstention (no national expert inputs)
- CEN/TS 16555-1:2013 (Innovation Management System) - Systematic Review
    - Withdraw, with comment:
    'withdraw CEN/TS 16555-1:2013 so that it can be replaced with the new ISO 56002 full standard (versus CEN TS), and then ISO 56002 to be adopted as an EN, and subsequently as I.S. EN ISO'

5   Irish Publications/Reviews

The Committee did not publish any Irish specific deliverables this year.

6   Work programme for 2020 onwards

The NSAI TC45 strategy is to continue to actively engage in the development of the various emerging ISO TC 279 standards over the coming year and beyond.

A particular focus during 2020 will be the continued National roll-out of the initial ISO 56000 series of standards, including *ISO 56002, Innovation Management System - Guidance*. As alluded to earlier, such a broad roll-out will support and enable NSAI actions under Innovation 2020 and Enterprise 2025, and the national vision therein of positioning Ireland 'Global Innovation Leader'.   The widespread introduction of systematic (vs ad-hoc) innovation management practices as outlined in the ISO 56000 series will also help indigenous Irish SMEs to deliver much needed improvements in productivity and international competitiveness – much needed improvements as outlined in the OECD report on SME Productivity in Ireland published during 2019. Below is a summary of the current officially approved work programme for ISO TC 279.

STANDARD AND/OR PROJECT UNDER THE DIRECT RESPONSIBILITY OF ISO/TC 279 SECRETARIAT (4) ↓	STAGE	ICS
⊙ **ISO/DIS 56005** Innovation management — Tools and methods for intellectual property management — Guidance	40.60	03.140 03.100.01 03.100.40
⊙ **ISO/CD 56006** Innovation management — Strategic intelligence management — Guidance	30.60	03.100.01 03.100.40 03.100.70
⊙ **ISO/AWI 56007** Innovation management -idea management	20.00	
⊙ **ISO/AWI 56008** Innovation management — tools and methods for innovation operation measurements — Guidance	20.00	

7   Additional Information

Training for Committee Members During 2019

A number of NSAI TC45 committee members attended general 'lunch & learn' training sessions in NSAI for all new NSAI committee members during 2019. The TC45 committee manager (CM, Paul Killeen) also provided group training sessions to some of the new TC45 members in advance of committee meetings during the year, and also added the new NSAI 'Training Manual for New Committee Members, 2019 version' (N248) to Livelink for the ongoing reference of all members. The CM also explained the various stages of the ISO standards development process, made up of various 'stages' and 'gates' (and related 'ISO codes') - similar to a typical new product development process, as outlined in ISO Standards Development Process (N193). Having explained the general process, the CM then went through a Summary Table of the ISO TC279 Work Programme and related NSAI TC45 links with the various ISO working groups. This summary or quick-reference table (or 'cheat sheet') includes the following columns: ISO TC279 Working Groups; Topic(s) Covered; numbering scheme for all ISO TC279 published and draft standards; Current Stage (of development, via 'stage code' and description – as per the ISO standards development process in N193 above); Publication Date (actual or projected); Who from NSAI TC45 currently following the topic e.g. reviewing the evolving draft standards / documents, voting via Livelink or during our national mirror committee meetings.

The CM reminded all members that anyone is free to follow some or all of the ISO topics / projects that they are interested in. The idea of the summary table is simply to help the committee to 'divide and conquer' as it's very difficult for one person to follow all the work items / projects. The committee manager also delivered a and number of 1-2-1 online training sessions on the Livelink system for new members during the year.

NSAI Standards Innovation Award

- NSAI award for the integration of standards development and innovation in Irish-based organisations, to support competitive advantage for Irish companies in global markets
- 2019 award went to Gerald Craddock & James Hubbard from the 'Centre for Excellence in Universal Design' at the National Disability Authority.
  - *Gerald & James pictured below at 2019 awards ceremony with NSAI CEO, Geraldine Larkin and NSAI Director of Standards & Metrology, Enda McDonnell*

NOTE: James Hubbard subsequently joined NSAI TC45 early in 2020