New Committee Member Lunch & Learn

About NSAI

Four main divisions
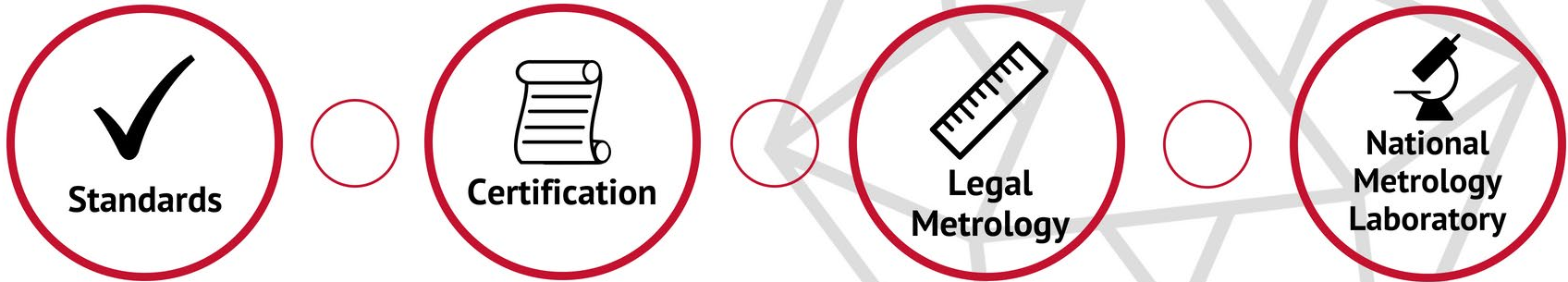
Standards · **Certification** · **Legal Metrology** · **National Metrology Laboratory**

Standards

Learning Outcomes

- NSAI's Role
- Links between Regulations, Standards
- Standards supporting Government Policy
- European Commission Work Programme for Standardisation
- Standardisation Requests and Harmonised Standards
- Resources

NSAI

NSAI role – Connect & Facilitate

Irish Experts

Industry

Academia

Government

Citizens

Societal

European Standards Organisations

NSAI Standards Development

International Standards Organisations

Standards Committees

ICT

Advanced Manufacturing

Healthcare

Energy & Sustainability

Food

Construction

Services & Business Processes
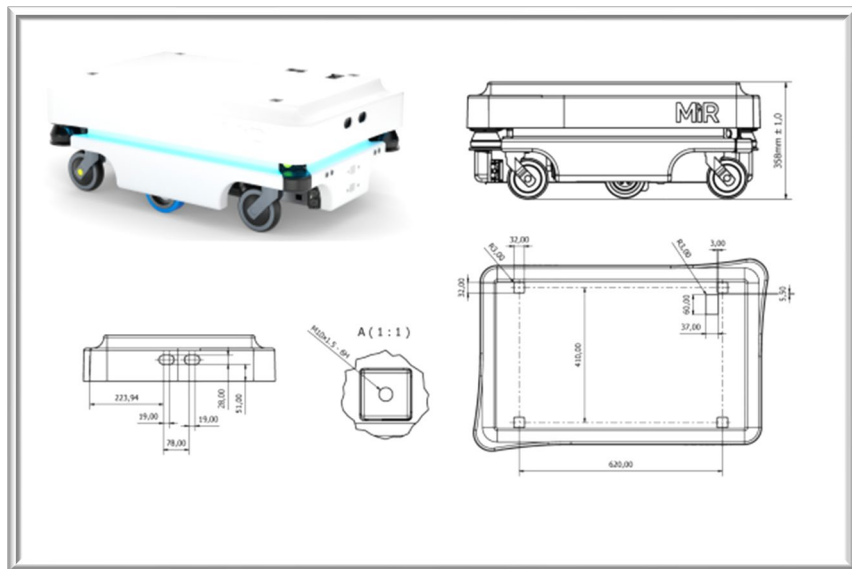
NSAI
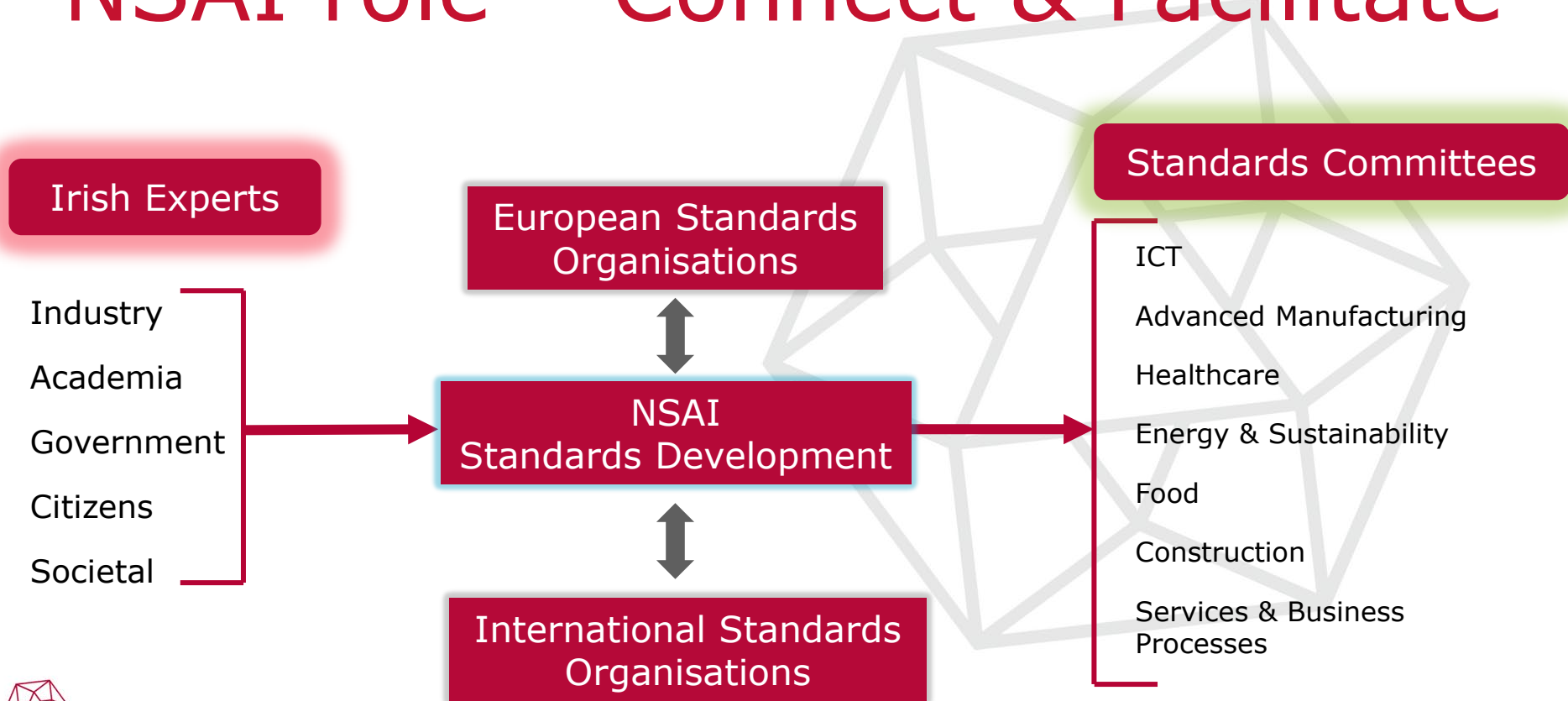
Links between Regulations, Standards & Certification

(EU 'New Legislative Framework', NLF – previously called 'new approach')

Mandatory

Voluntary

CE Mark
CE

Presumption of Conformity

Regs

'Essential Requirements' (& conformity assessment procedure)

Standards

Harmonised Standards ('hENs', listed in OJEU)

Certification

Self or 3rd party CABs / Notified Bodies *(e.g. NSAI, BSI, TUV)*

Accreditation

EA & National Accreditation Bodies - Competence of CABs/NBs *vs ISO 17,000 series (general req's) + specific cert. scheme req's*

Consensus of Technical Experts

NSAI *NSAI*

Market Surveillance @ MS level *(e.g. HPRA is 'Market Surveillance Authority' for Ireland for Medical Devices)*

Declaration of Conformity

D   Declaration of conformity

CE

EU declaration of Conformity
according to the EU Machinery Directive 2006/42/EC, Annex II 1.A

Manufacturer
Mobile Industrial Robots ApS
Emil Neckelmanns Vej 15 F
DK-5220 Odense SØ

Person established in the Community authorized to compile the technical file
Flemming Thinggaard
Mobile Industrial Robots ApS
Emil Neckelmanns Vej 15F
DK - 5220 Odense SØ

Description and identification of the machinery

Product	MiR100 2.1 - Serial no. 180100002100850 and higher
Commercial name	MiR100
Function	MiR100: self-propelled vehicle (battery)

MiR100 is an automatic vehicle that can transport materials internally within factories, warehouses, hospitals and a host of other industrial locations.

The user provides the destination of product delivery via a web interface. MiR100 can be up to run a fixed route or be called on demand besides more special operations.

MiR100 has a map that can be programmed the first time the vehicle is used. While operating, the MiR100 automatically avoids obstacles (people, furniture) that are not mapped.

MiR100's internal map contains specific locations (office, hall, John's room etc.) which can be used for logistical planning.

Each vehicle has its own network.

The vehicle is controlled from a website (HTML5), which is accessed via a browser on a PC, tablet or smartphone.

It is expressly declared that the machinery fulfills all relevant provisions of the following EU Directives or Regulations:

2006/42/EC   Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast) (1)

Reference to the harmonized standards used:

EN 60204-1:2006+A1:2009	Safety of machinery — Electrical equipment of machines — Part 1: General requirements
EN ISO 12100:2010	Safety of machinery — General principles for design — Risk assessment and risk reduction (ISO 12100:2010)
EN ISO 13849-1:2015	Safety of machinery — Safety related parts of control systems — Part 1: General principles for design (ISO 13849-1:2015)
EN ISO 13849-2:2012	Safety of machinery — Safety related parts of control systems — Part 2: Validation (ISO 13849-2:2012)
EN ISO 13850:2015	Safety of machinery — Emergency stop function — Principles for design (ISO 13850:2015)
EN 1175-1:1998+A1:2010	Safety of industrial trucks — Electrical requirements — Part 1: General requirements for battery powered trucks

Reference of the other technical standards and specifications used:

EN 1525:1997-09	Safety of industrial trucks — Driverless trucks and their systems

Odense SØ, 18 June 2018

Signature
Søren E. Nielsen
CTO

NSAI

Planned initiative | Mentioned by the European Commission as potential legislative initiative

Research & Innovation	Industrial Policy	Connectivity	Data & Privacy	IPR	Cybersecurity	Law Enforcement	Trust & Safety	E-commerce & Consumer Protection	Competition	Media	Finance
Digital Europe Programme Regulation, (EU) 2021/694	Recovery and Resilience Facility Regulation, (EU) 2021/241	Frequency Bands Directive, (EEC) 1987/372	General Data Protection Regulation (GDPR), (EU) 2016/679	Database Directive, (EC) 1996/9	Regulation for a Cybersecurity Act, (EU) 2019/881	Law Enforcement Directive, (EU) 2016/680	Product Liability Directive (PLD), (EEC) 1985/374, 2022/0302(COD)	Unfair Contract Terms Directive (UCTD), (EEC) 1993/13	Technology Transfer Block Exemption, (EC) 2014/316	Satellite and Cable I Directive, (EEC) 1993/83	Common VAT system, (EC) 2006/112, 2022/0407(CNS)
Horizon Europe Regulation, (EU) 2021/695, (EU) 2021/764	InvestEU Programme Regulation, (EU) 2021/523	Radio Spectrum Decision, (EC) 2002/676	Regulation to protect personal data processed by EU institutions, bodies, offices and agencies, (EU) 2018/1725	Community Design Directive, (EC) 2002/6, 2022/0391(COD)	Regulation to establish a European Cybersecurity Competence Centre, (EU) 2021/887	Directive on combating fraud and counterfeiting of non-cash means of payment, (EU) 2019/713	European Standardization Regulation, (EU) 2012/1025	E-commerce Directive, (EC) 2000/31	Company Law Directive, (EU) 2017/1132, 2023/0089(COD)	Information Society Directive, (EC) 2001/29	Payment Service Directive 2 (PSD2), (EU) 2015/2366, 2023/0209(COD)
Regulation on a pilot regime distributed ledger tech. market, (EU) 2022/858	Connecting Europe Facility Regulation, (EU) 2021/1153	Broadband Cost Reduction Directive, (EU) 2014/61, 2023/0046(COD)	Regulation on the free flow of non-personal data, (EU) 2018/1807	Enforcement Directive (IPR), (EC) 2004/48	NIS 2 Directive, (EU) 2022/2555	Regulation on terrorist content online, (EU) 2021/784	Radio Equipment Directive (RED), (EU) 2014/53	Unfair Commercial Practices Directive (UCPD), (EC) 2005/29	Market Surveillance Regulation, (EU) 2019/1020	Audio-visual Media Services Directive (AVMSD), (EU) 2010/13	Digital Operational Resilience Act (DORA Regulation), (EU) 2022/2554
	Regulation on High Performance Computing Joint Undertaking, (EU) 2021/1173	Open Internet Access Regulation, (EU) 2015/2120	Open Data Directive (PSI), (EU) 2019/1024	Directive on the protection of trade secrets, (EU) 2016/943	Information Security Regulation, 2022/0084(COD)	Temporary CSAM Regulation, (EU) 2021/1232, 2022/0155(COD)	eIDAS Regulation, (EU) 2014/910, 2021/0136(COD)	Directive on Consumer Rights (CRD), (EU) 2011/83	P2B Regulation, (EU) 2019/1150	Portability Regulation, (EU) 2017/1128	Crypto-assets Regulation (MICA), (EU) 2023/1114
	Regulation on Joint Undertakings under Horizon Europe, (EU) 2021/2085, 2022/0033(NLE)	European Electronic Communications Code Directive (EECC), (EU) 2018/1972	Data Governance Act (DGA Regulation), (EU) 2022/868	Standard essential patents, 2023/0133(COD)	Cybersecurity Regulation, 2022/0085(COD)	E-evidence Regulation, 2018/0108(COD)	Regulation for a Single Digital Gateway, (EU) 2018/1724	e-Invoicing Directive, (EU) 2014/55	Vertical Block Exemption Regulation (VBER), (EU) 2022/720	Satellite and Cable II Directive, (EU) 2019/789	Digital euro, 2023/0212 (COD)
	Decision on a path to the Digital Decade, (EU) 2022/2481	Roaming Regulation, (EU) 2022/612	ePrivacy Regulation, 2017/0003(COD)	Design Directive, 2022/0392(COD)	Cyber Resilience Act, 2022/0272(COD)	Digitalization of travel documents	General Product Safety Regulation, (EU) 2023/988	Geo-Blocking Regulation, (EU) 2018/302	Digital Market Act (DMA Regulation), (EU) 2022/1925	Copyright Directive, (EU) 2019/790	Financial Data Access Regulation, 2023/0205 (COD)
	European Chips Act (Regulation), 2022/0032(COD)	Regulation on the Union Secure Connectivity Programme, (EU) 2023/588	European Data Act (Regulation), 2022/0047(COD)	Compulsory licensing of patents, 2023/0129(COD)	Cyber Solidarity Act (Regulation), 2023/0109(COD)		Machinery Regulation, (EU) 2023/1230	Digital content Directive, (EU) 2019/770	Regulation on distortive foreign subsidies, (EU) 2022/2560	European Media Freedom Act, 2022/0277(COD)	Payment Services Regulation, 2023/0210(COD)
	European critical raw materials act (Regulation), 2023/0079(COD)	.eu top-level domain Regulation, (EU) 2019/517	European Health Data Space (Regulation), 2022/0140(COD)				AI Act (Regulation), 2021/0106(COD)	Directive on certain aspects concerning contracts for the sale of goods, (EU) 2019/771	Horizontal Block Exemption Regulations (HBER), (EU) 2023/1066, (EU) 2023/1067		Revision of the late payments Directive
	Establishing the Strategic Technologies for Europe Platform (STEP), 2023/0199(COD)	New radio spectrum policy programme (RSPP 2.0)	Regulation on data collection for short-term rental, 2022/0358(COD)				Eco-design Regulation, 2022/0095(COD)	Digital Services Act (DSA Regulation), (EU) 2022/2065	Platform Work Directive, 2021/0414(COD)		
		Telecoms Act / Fair Share Initiative	Harmonization of GDPR enforcement 2023/0202(COD)				AI Liability Directive, 2022/0303(COD)	Right to repair Directive, 2023/0083(COD)	Single Market Emergency Instrument (SMEI), 2022/0278(COD)		
			Interoperable Europe Act, 2022/0379(COD)					Political Advertising Regulation, 2021/0381(COD)			

Government Policy

- Communication and Digital
  - Cybersecurity

Rialtas na hÉireann
Government of Ireland

National Cyber Security Strategy

2019-2024

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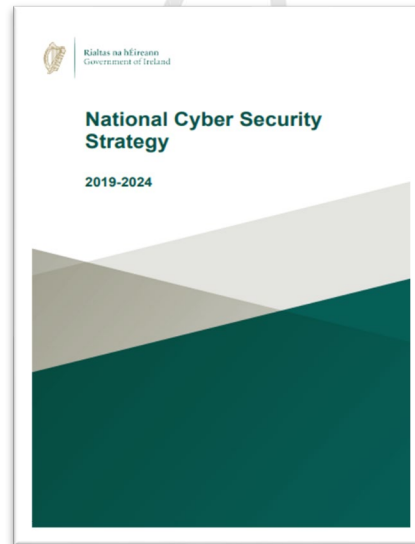
National Cybersecurity Strategy

"Some Departments and Agencies can readily demonstrate compliance with international best practice (and international standards like ISO/IEC 27001)"

ISO/IEC 27001:2022

- Here's how ISO/IEC 27001 will benefit your organization:
- Secure information in all forms, including paper-based, cloud-based and digital data
- Increase resilience to cyber-attacks
- Provide a centrally managed framework that secures all information in one place
- Ensure organization-wide protection, including against technology-based risks and other threats
- Respond to evolving security threats
- Reduce costs and spending on ineffective defence technology
- Protect the integrity, confidentiality and availability of data

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EU Cyber Resilience Act

This initiative aims to address market needs and protect consumers from insecure products by introducing common cybersecurity rules for manufacturers and vendors of tangible and intangible digital products and ancillary services.

Standards & Cyber Resilience Act

- The essential cybersecurity requirements in the proposal are building on widely used standards, and the standardisation process that will follow would take into account the technical specificities of the products.

- Conformity of the product with digital elements (Chapter III)
  The product with digital elements, which is in conformity with harmonised standards or parts thereof, the references of which have been published in the Official Journal of the European Union, shall be presumed to be in conformity with the essential requirements of this proposed Regulation.

Official Journal
of the European Union

English edition   Legislation

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European Commission Work Programme

Each year the European Commission publishes an Annual Work Programme for European standardisation.

It lays down the Commission's intentions to use standardisation in support of new or existing legislation and policies and mandate the development of new standardisation deliverables to the European Standardisation Organisations CEN, CENELEC and ETSI.

Annual Union Work Programme 2023

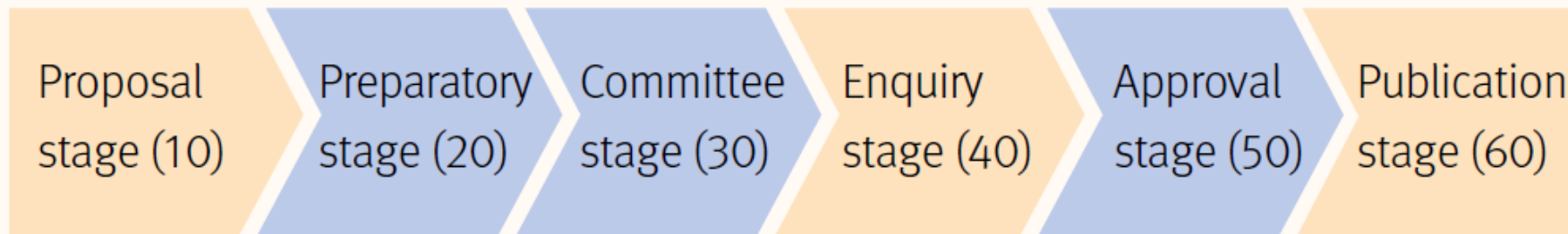| Actions for the development and revision of European standards or European standardisation deliverables supporting the strategic priorities				
Ref	Title	Reference	European standards/European standardisation deliverables	Specific objectives and policies for European standards/European standardisation deliverables
5	Cybersecurity requirements for products with digital elements	COM(2022)454 - Proposal for a Regulation on horizontal cybersecurity requirements for products with digital elements and amending Regulation (EU) 2019/1020 (Cyber resilience Act)	Develop European standards and European standardisation deliverables corresponding to essential cybersecurity specifications as set out by the Cyber Resilience Act and notably concerning: (i) security specifications relating to the properties of products with digital elements and vulnerability handling specifications (ii) methodologies concerning assurance levels relating to products with digital elements as referred to above; (iii) evaluation methodologies for evaluating cybersecurity risks associated with products with digital elements.	The main objective is to create conditions for developing secure products with digital elements by ensuring that hardware and software products are placed on the market with fewer vulnerabilities and ensure that manufacturers take security seriously throughout a product's life cycle.
6	Accessibility requirements for websites and mobile applications	Directive (EU) 2019/882 on the accessibility requirements for products and services, Directive (EU) 2016/2102 on the accessibility of the websites and mobile applications of public sector bodies	Revise standards EN 301 549, EN 17210, EN 17161 and the technical reports CEN/CLC/ETSI TR 101551 and CEN/CLC/ETSI TR 101552. In addition, develop three new harmonised standards in support of M/587 – C(2022)6456. The latest developments in the relevant areas need to be considered.	Increasing accessibility to ICT, including websites and mobile applications, answering to emergency services (112), non-digital information and support services for persons with disabilities.

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Standards Development Process

- Open

- Transparent

- Voluntary

- Consensus

- Relevant

- Pre-Competitive
  Cooperation

Proposal - evaluation and decision

Observer

Liaison Delegate

Standard proposer

TEAM

WORK

Standardization experts

Chairman (Vice-chairman) of the group

Rapporteur

Community of

Experts

https://www.nsai.ie/about/news/standards-committee-training-part-2/

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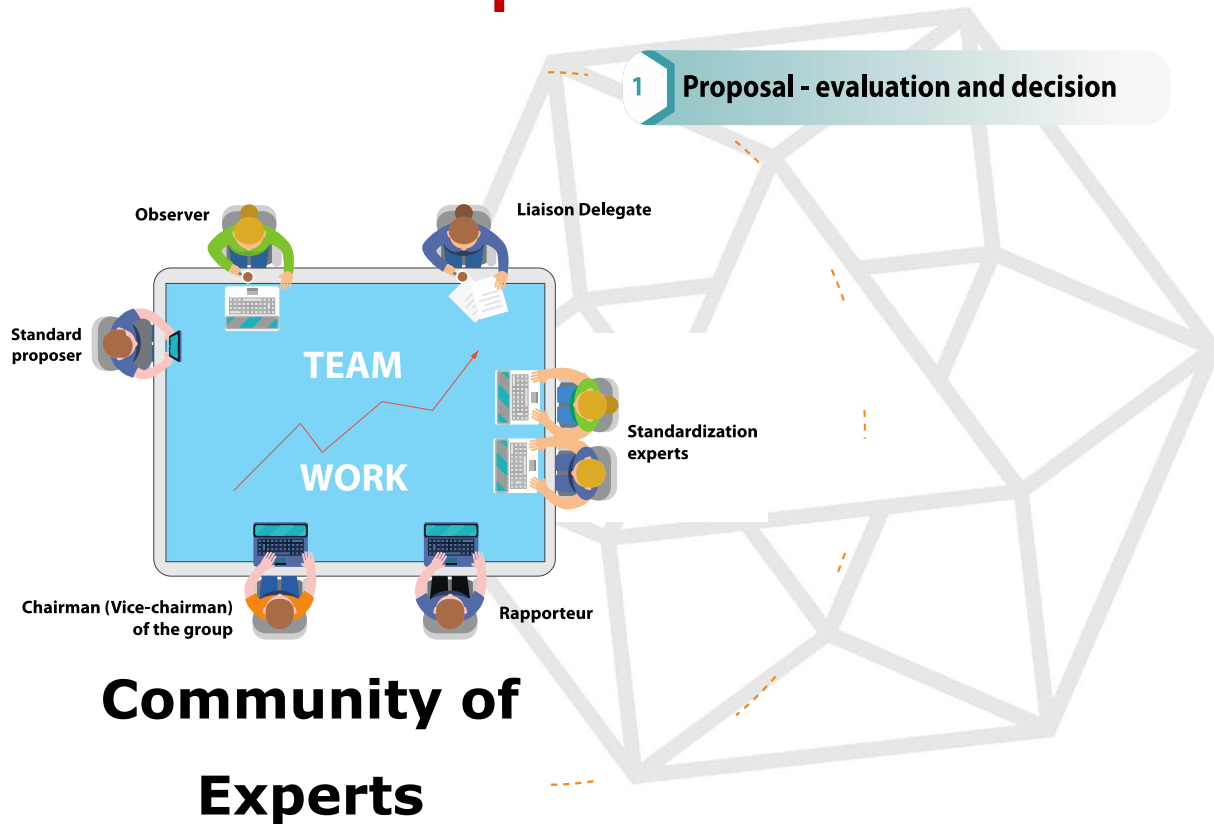
Development process:

Stages for developing ISO standards

Proposal stage (10)	Preparatory stage (20)	Committee stage (30)	Enquiry stage (40)	Approval stage (50)	Publication stage (60)

obligatory   optional

National Standard Process

- Proposal
- Board approval
- DETE approval
- Notifications
- Draft from TC
- Start Enquiry
- Finish Enquiry
- Finish Comments
- Approve to publish

- To Editing & Board
- Board approval
- DETE sealing
- Available for sale
- Date of Withdrawal
- Copyright library
- Sealed Copy Archive
- Start of Review
- Result of Review

Standardisation Request

COMMISSION IMPLEMENTING DECISION

of XXX

on a standardisation request to the [European Standards Organisations] in support of Union policy on horizontal cybersecurity requirements for products with digital elements

Version of DD of Month YYYY

NSAI

Harmonised Standards

▶ A harmonized standard (hEN) is a European Standard (EN) developed in response to a formal Standardization Request (SR) of the EC

Two (main) types of hEN

- **Not for citation** in the OJEU
- Requested by the EC for example to address certain standardization gaps
- Can be a basis for the development of hEN that will be intended for citation in the OJEU

- **hEN intended for citation** in the OJEU
- Provide presumption of conformity (PoC) with EU legislation

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How are harmonised standards made?

CCMC receives **draft** SR & launches call for SRAHG participation

EC provide **final** SR to CEN &CENELEC

CEN & CENELEC develop the requested standards

SRAHG and EC iteratively improve **draft** SR until it is acceptable for all parties

CEN & CENELEC Technical Boards accept or reject the SR based on advice of SRAHG

Standards made available - and then cited in the OJEU (in case the SR calls for the development of hEN intended for citation in the OJEU)

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IoT Cyber Risks

- The fish tank had sensors connected to a PC that regulated the temperature, food and cleanliness of the tank.

"Somebody got into the fish tank and used it to move around into other areas (of the network) and sent out data," said Justin Fier, Darktrace's director of cyber intelligence.

Government Policy

- Research & Innovation
  - Impact 2030 Ireland's Research and Innovation Strategy

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Ireland's Research and Innovation Strategy

- "Regulation and standards, for example, interoperability standards for ICT products or regulations for health products, are critical in many areas of enterprise R&I. The application of standards also has a role in driving enterprise innovation more broadly. The new standards based ISO 56000 'Innovation Scorecard', developed by global innovation experts and the National Standards Authority of Ireland, will help strengthen innovation management, especially in SMEs, across Ireland"

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ISO 56000 Series

ISO 56000:2020
Innovation management — Fundamentals and vocabulary

ISO 56002:2019
Innovation management — Innovation management system — Guidance

ISO 56003:2019
Innovation management — Tools and methods for innovation partnership — Guidance

ISO/TR 56004:2019
Innovation Management Assessment — Guidance

ISO 56005:2020
Innovation management — Tools and methods for intellectual property management — Guidance

ISO 56006:2021
Innovation management — Tools and methods for strategic intelligence management — Guidance

ISO 56007:2023
Innovation management — Tools and methods for managing opportunities and ideas — Guidance

ISO/TS 56010:2023
Innovation management — Illustrative examples of ISO 56000

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ISO 56001

"ISO 56001, the upcoming requirements standard for innovation management, is just around the corner, and it has the potential to revolutionize how innovation has been managed for the past 20 years."

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New European Innovation Agenda

Standards & EU Innovation Agenda

"Supported actions could include market uptake of research, support companies in scaling up their ideas, as well as deploying and demonstrating deep technologies in real world environments and with end users, access to cross border infrastructure and expertise, exchange of staff, training and skills development and developing *Standards and Regulations* through sandboxes and test beds."

EUROPEAN COMMISSION

Brussels, 5.7.2022
COM(2022) 332 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

A New European Innovation Agenda

{SWD(2022) 187 final}

NSAI

Resources

Sectoral Study of Standards in Manufacturing

LINK

Introduction to NSAI/TC 49/ SC 2 & standardisation for Additive Manufacturing

LINK

NSAI

Data Sets

StandIct Landscape reports
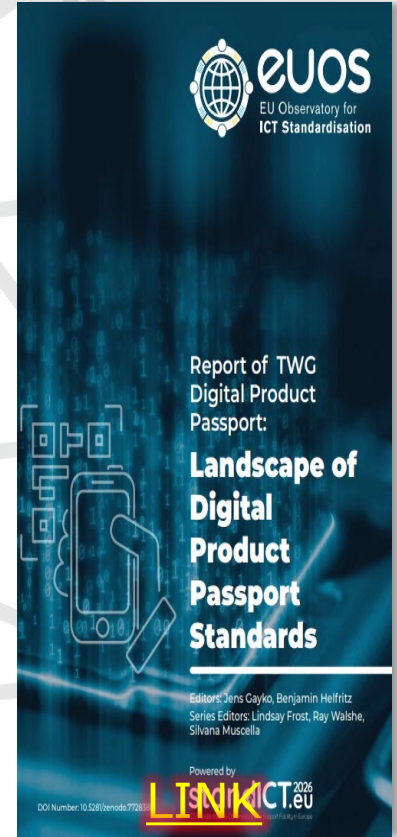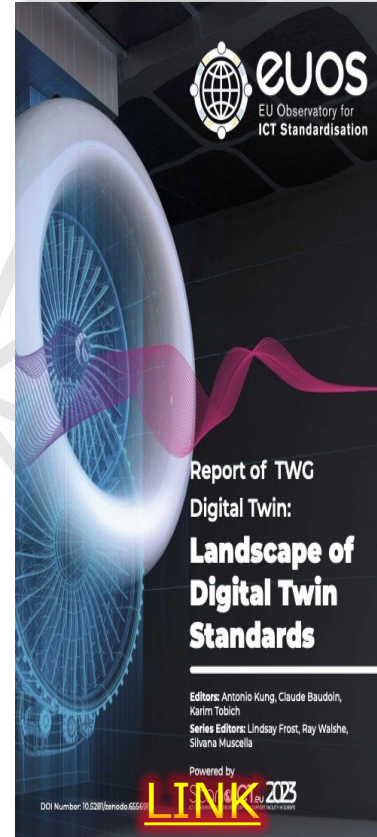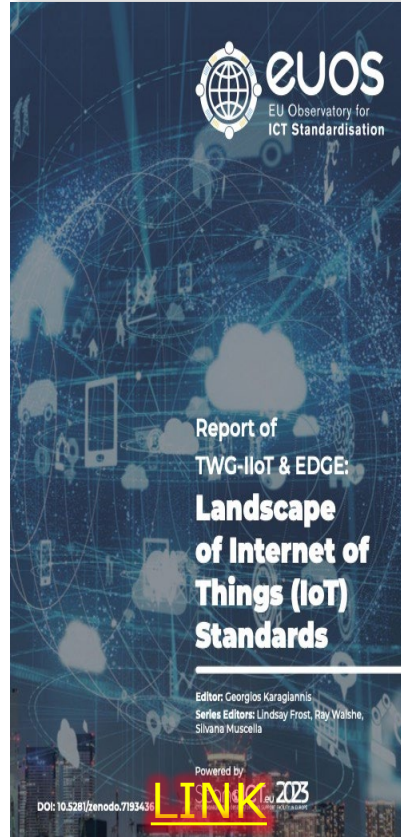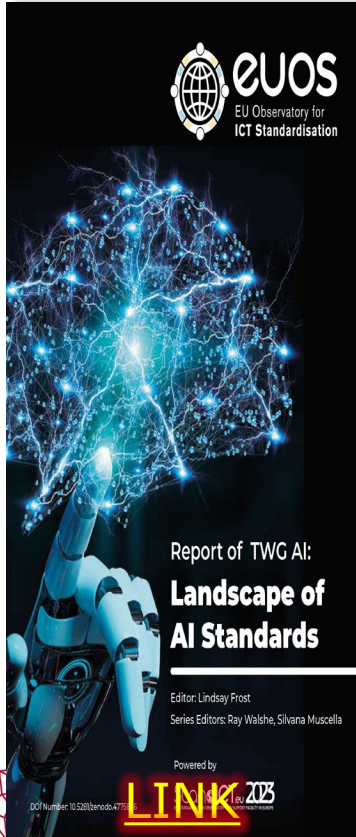
Input to draft Standards

Your Standards, Your Say
Review, Read & Comment on drafts
www.nsainep.ie
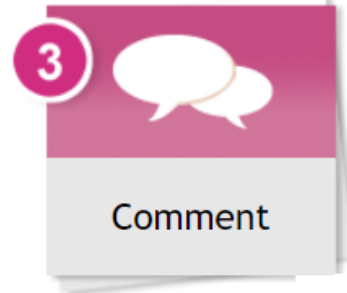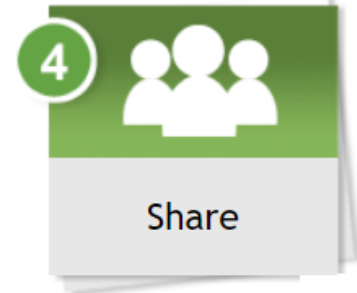
Standards?

- Standards are part of your industry
- You can see the Standards as they develop
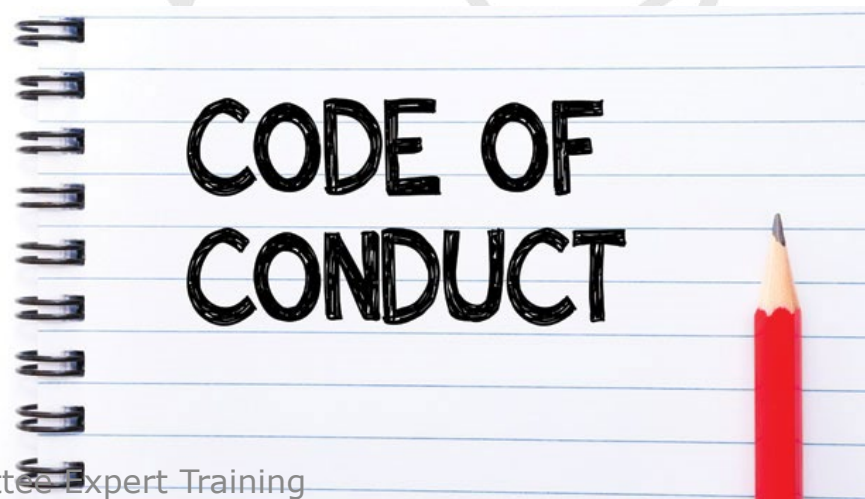- You can be part of the Standard as it develops
- National Standard Bodies are here to help you

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Designations for published Standards

Designation	Explanation
I.S. 123	Irish Standard Specification developed and published by NSAI
S.R. 123	Irish Standard Recommendation published by NSAI
SWiFT 123	Standard Written in Fast Track published by NSAI (formally National Workshop Agreement)
EN 12345	European Standard published by CEN/CENELEC
NA to I.S. EN 12345	Irish National Annex to a European Standard
ISO 12345	International Standard published by ISO
IEC 60125	International Standard published by IEC
I.S. EN 12345	European Standard adopted as an Irish Standard
EN ISO 12345	ISO Standard adopted as a European Standard
I.S. EN ISO 12345	European Standard adopted as an Irish Standard
I.S. ISO 12345	ISO Standard adopted as an Irish Standard
ISO/IEC 12345	Joint ISO and IEC international Standard

RESPONSIBILITIES OF MEMBERS

General Conduct

Members shall behave in a way that facilitates the work of the Committee and in a manner that does not bring NSAI into disrepute.

CODE OF CONDUCT

NSAI

General Conduct

Committee discussions will be positive and constructive if the following points are followed:

- everyone has the right to courteous and open-minded treatment and for their views to be considered and respected,

- any conflicts of interest should be declared,

- confidentiality should be maintained.

General Conduct

The Committee shall determine its own quorum for meetings.

Normally a quorum is one half of the members for small committees and one third for large committees.

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Getting Involved

You are representing your nominating organization and contributing their view to the Standards development process.

This is achieved by:

- reading documents circulated to the committee
- circulating new work proposals and drafts to your nominating organization so they can comment
- submitting your nominating organization's comments to the Committee Secretary
- attending meetings and participating in the consensus building process

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Reminder: Consensus

"**Consensus**" is defined as general agreement characterised by the absence of sustained opposition to substantial issues by any important part of the concerned interests, and by a process that involves seeking to take into account the views of all parties concerned and to reconcile any conflicting arguments.

Consensus need not imply unanimity!

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Responsibilities of Members

- Members are expected to advise and assist NSAI on the technical content of standards.
- Members are expected to prepare for and attend meetings and provide comments and submissions on active projects being developed.

IMPORTANT

NSAI

Responsibilities of Members

- Members are expected to use the online platform (web based) for accessing documents related to the NSAI Committee. *(documents for committee work only – not for wider circulation/misuse).*

- A person applying for membership on behalf of an organization shall undertake to represent its viewpoint on issues discussed and act as a channel for consultation and communication with that organization.

NSAI

Responsibilities of Members

- Membership of regional (CEN/CLC) or international committees (ISO/IEC)
  - when participating at those meetings, you should be aware of the national brief/position. Members are required to provide reports on attending those meetings.

- NSAI Committee members can make reference to their membership (including Chairmanship) when writing articles or giving lectures or papers. However, they shall not state views purporting to be those of the NSAI Committee, regional or international committees unless those views have been approved by the NSAI and/or NSAI Committee.

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Responsibilities of Members

- Members should not commit NSAI to host meetings, without first consulting NSAI, and making a business case.

- Members should be aware that records of NSAI committees can be subject to disclosure under the Freedom of Information Act and that membership shall be disclosed, for example in annual reports.

- Members shall not communicate with the media on matters concerning the internal affairs of a Committee without expressed permission of NSAI.

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Media

- Committee members should be aware of NSAI media contact policy.

- Media queries relating to the work of a NSAI Technical Body (including any Sub-Committees and Working Groups) are dealt with by NSAI PR.

- When a Technical Body wishes to communicate an agreed position on a particular matter to the media, this shall be done in co-operation with the Head of Standards and NSAI PR.

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Intellectual Property Rights and Patents

- Common types of intellectual property rights (IPR) include copyrights, trademarks, patents, industrial design rights and trade secrets.

- NSAI, CEN, CENELEC, ISO and IEC retain the copyright of all Standards.

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CEN and ISO Technical Committee Roles and responsibilities

- Establishes and agrees on its **programme of work** with precise title and scope of each project in accordance with its agreed business plans, if available.

- **Follows up** and ensures the achievement/delivery of the **work programme** and in accordance with the CEN strategic aim to develop standards "in production times needed by the market".

- Takes into account any ISO/IEC work coming within its scope, other relevant international organizations, and work on related subjects in any other Technical Committees (TC).

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CEN and ISO Technical Committee Roles and Responsibilities

- Review all ENs within its responsibility at least every 5 years.

- Reviews other deliverables in accordance with the Internal Regulations Part 2.

- At Plenary meetings, CEN national members are represented by a number of delegates, normally not exceeding three, one of whom acts as head of delegation (HoD). Other bodies may delegate observers to meetings.

  - Report of the Secretary and/or the Chairman

  - Report of the Convenors of the Technical Committee Working Groups:

  - Conclusions of these reports and actions to be taken

  - Environmental actions

CEN and ISO Working Group Roles and responsibilities

- A Work Group (WG) is established by a Technical Committee (TC) or Subcommittee (SC), that develops a draft deliverable(s) in the context of the scope and work programme of the parent body.

- It works within clearly defined policy guidelines from its parent body.

- The WG drafts documents in accordance with the work specifications, guidelines and time schedule provided by the parent body and in accordance with CEN drafting rules Internal Regulations IR3.

- As required by the parent body, the WG is involved in the resolution of comments following the CEN enquiry and, if necessary, updates the draft.

- The WG provides technical advice to the parent body as required.

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Duties of CEN or ISO Working Group experts

- The WG members are individual experts.

- They act in a personal capacity.

- They commit to provide the group with the best advice based on their knowledge and expertise.

- They inform the working group of any circumstance affecting the draft standards in development (risks, patents …).

- They commit to abide by relevant CEN rules, in particular the CEN/CENELEC Internal Regulations.

- The WG members are invited to keep close contact with the CEN National Member of his/her home country. In particular, WG members are requested to be aware of national positions held at the parent body level.

- Need to be familiar with the drafting rules – Internal regulations IR 3

Reporting back to the national mirror committee

- **Good practice** - Produce a report to secretary for record and to raise at national committee meeting for feedback

- Advise national committee when casting votes on associated Committee Internal Ballots (CIBs), enquiry, formal vote etc.

- The main points to be covered in your report should be:

  - Technical discussion points

  - Questions to national mirror committee

  - Recommendations to national mirror committee

- Check with NSAI contact

Platform demos

- National committee platform

- National voting platform

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NSAI Document Management System

ISOlutions Portal

NSAI Document Management System

ISOlutions Portal
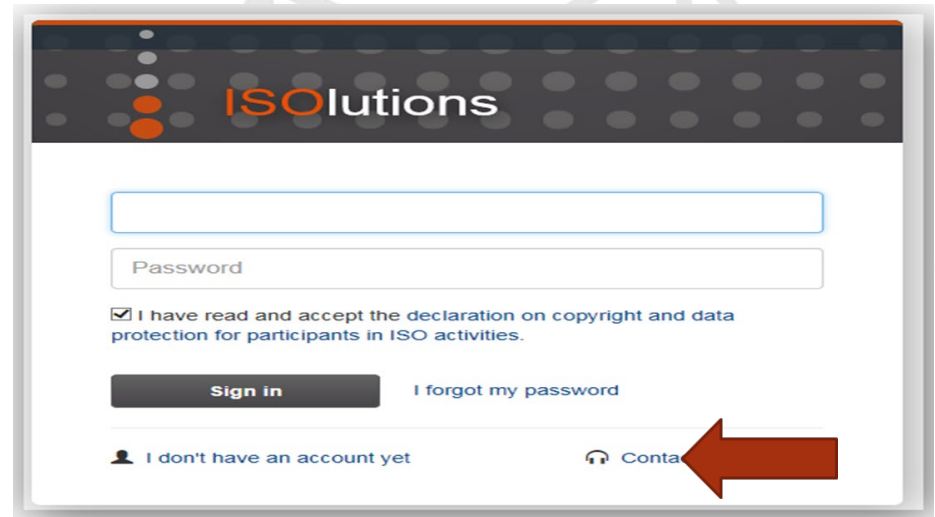
NSAI National E-Committees is hosted on the ISO TC Server.
The ISOTC Server uses the document management system
OpenText **Content Server 10**

Provides a platform for experts to access standard development
documents

National committee platform links to our National Electronic
Balloting system.

NSAI

Password forgotten

If you forgot your password, click on the link **I forgot my password** on the right and follow the instructions on the screen. Within the next few minutes, you will receive an e-mail with a link to reset your password.

Alternatively, you can contact standards officer assigned to your committee.

NSAI/TC 1/SC 5 "TC 6 Use of gaseous fuel in vehicles"

View | Related committees | ISO Content | Members list | Access list

Administration | General | Meetings | Decisions | Projects | Member area | Mail archive

Committee documents — See all documents...

N	Title		Modified	Expected action
218	H2 Safety Reg Study Workshop slides 02.12.22		2023-01-19	Info
217	GTSC TC 6 Unconfirmed Minutes - 2022-11-30 - Reserved N-number		2023-01-19	Info
216	ISO_TC_340_1st_Plenary-TC6_ Report EC		2023-01-19	Info
215	2022-11-30 - H2 refueling stations - Presentation DC		2023-01-19	Info
214	GTSC TC6 - Draft Agenda - 2022-11-30 Meeting		2022-11-21	

International committee documents — See all documents...

Workspace	Title	Type	Modified
ISO/TC 197	Please find attached the minutes of the ISO/TC 197 34th annual meeting held on December 8th and 9th 2022, as...	Meeting	2023-01-19
ISO/TC 197	ISO/NP 20151 - Result of voting Gaseous hydrogen land vehicle refuelling connection devices — Part 3: Cryo-compressed hydrogen gas Note: Dear...	Ballot	2023-01-17
ISO/TC 197	ISO/CD 19880-9 - Result of voting Gaseous hydrogen — Fuelling stations — Part 9: Sampling for fuel quality analysis Note: Dear members, The WG3...	Ballot	2023-01-13
	WG 34 Progress Report - Hydrogen generators using water electrolysis – Test protocols and safety Requiremen		

Ballot documents

ISO/CD 14687		
NPOS(A) ⏲ 2023-01-23		0
N402_EIGA Application for liaison		
NPOS(A) ⏲ 2023-02-04		0
ISO/NP 20151		
NPOS(A) ⏲ 2023-02-08		
ISO/CD 19887		
NPOS(A) ⏲ 2023-02-08		0
prEN 17921		0

Meeting documents

North Wood (Ireland) 1 Feb 2023	0

All national documents can be viewed by clicking "see all documents".

To view the document, click on the document title

Ballots: To view the document, click on the ballot title

All International documents can be viewed by clicking "see all documents".

This section displays the scheduled meetings for your committee or the European/International committee

NSAI

To download a document in online reading view, click the download icon located underneath the document panel.

NSAI Documents

Once you have activated your account you will receive automated emails from the **NSAI Documents**.

The emails will provide you with a list of the latest documents posted by your National Committee's related ISO or CEN committees.

NSAI/TC 1/SC 5 - documents available

NSAI Documents <sd.nsai.documents@iso.org>
To
Fri 20/01/2023

Reply | Reply All | Forward

Caution: This is an external email or has a suspicious subject or content. Please take care when clicking links or opening attachments. When in doubt, contact ITHelpdesk@nsai.ie

NSAI Documents
NSAI/TC 1/SC 5
TC 6 Use of gaseous fuel in vehicles

This is an automated email listing recently created documents. Click here to change the email frequency

Dear member,

Please note that the following documents have been posted on the Documents platform.

Related ISO committees

ISO/TC 197 - Hydrogen technologies

See all documents online

N	Document	Related projects (when indicated by committee manager)
1417	Meeting > Minutes TC 197 31th Annual Meeting Draft Minutes & Attendance list	
0	Ballot > Result of voting ISO/NP 20151 - Result of voting	ISO/NP 20151 See all documents related to that project
0	Ballot > Result of voting ISO/CD 19880-9 - Result of voting	ISO/CD 19880-9 See all documents related to that project

NSAI Documents

You will receive emails from the NSAI Documents when the Secretary of the national committee uploads a new document.

NSAI Documents
NSAI/TC 1/SC 5 "TC 6 Use of gaseous fuel in vehicles"

Dear member,

Please see attached draft agenda for the meeting on 30th November at 10.00am.

This meeting will be virtual and we hope to meet in person in 2023.
Best regards,

National secretary support team of NSAI/TC 1/SC 5

Zip & download all documents

For Info

N	Document	Action exp. by	Related content
214	Meeting > Agenda GTSC TC6 - Draft Agenda - 2022-11-30 Meeting		
212	Meeting > Minutes Draft minutes 2022-09-29 Meeting.pdf		

NSAI Documents

NSAI Documents
NSAI/TC 1/SC 5
TC 6 Use of gaseous fuel in vehicles

Related ISO committees

ISO/TC 197 - Hydrogen technologies

See all documents online

N	Document	Related projects (when indicated by committee manager)
1417	Meeting > Minutes TC 197 31th Annual Meeting Draft Minutes & Attendance list	
0	Ballot > Result of voting ISO/NP 20151 - Result of voting	ISO/NP 20151 See all documents related to that project
0	Ballot > Result of voting ISO/CD 19880-9 - Result of voting	ISO/CD 19880-9 See all documents related to that project

- You can access the documents within the email by clicking on the hyperlinks in blue.

- Or by clicking on "**See all documents online**" this will allow you view all Committee documents posted by date order.

- Alternatively, you can access the Committee page by clicking on **the title of the Committee**

National Meetings
Meetings status updates

Dear participant,

You are informed of the following event(s) regarding meeting(s) in your committee(s).

Meeting	Status	Meeting dates	Location
NSAI/TC 1/SC 5 - 1st	Meeting open for registration	2023 February 1	North Wood (Ireland) / Virtual
NSAI/TC 1/SC 9 - 3rd	Meeting open for registration	2023 February 7	North Wood (Ireland) / Virtual

For any questions, please contact the committee manager/secretary of the relevant structure.

- As an NSAI expert you will automatically receive an email notification from NSAI/ISO/CEN Event Notifications when a Meeting status has been updated.

- The email will contain a hyperlink, directly into the CEN/ISO Meetings platform and information on meeting status updates.

NSAI, CEN and ISO Meeting platforms for self-registration

- To self-register to a meeting, you need to search for the meeting you would like to register and access the meeting details page.

- You can self-register to only those TC or WG meetings in which you have relevant roles (such as committee member)

- To register for a meeting, click on the Register button

- Self-register - Global Directory

- Head of Delegation (HoD): This field only appears for CEN and ISO TC or SC plenary meetings.

- Inform your NSB

- Confirm with your Mirror Committee who will serve as the HoD i.e. who will speak on behalf of their national delegates.

National E-Balloting

NSAI are recording our NSAI Experts votes and comments via the NEB tool.
As an NSAI Expert **following work in both ISO and CEN committees** you can submit your recommended Vote and Comments electronically.

NSAI Ballot Opens
- As an NSAI expert you will automatically receive an email notification from **ISO Event Notifications** when an ISO/CEN Ballot opens
- Email will contain **a hyperlink**, directly into the NEB and information on the Ballot Reference, Type , National Committee and Closing Date

NSAI Expert Casts Vote
- Click on the **hyperlink,** enter your username and password
- Cast vote your vote

NSAI Expert Action Required
- You will receive a reminder email to vote 4 weeks and again 1 week before closure

NSAI

Email Notifications

Tools ▽   Help ▽

| Information | Participation | Audience |

Cast vote as

Reference: ISO/NP 37002 ▼

Committee:	NSAI/TC 30/SC 1	**Type:**	NPOS(A) (Automatic National Positioning Ballot)
Status:	Open		
Opening date:	2018-03-16	**Closing date:**	2018-05-27
Opened on:	2018-03-16 00:00		
Pending phase:	yes		

Ballot source information

Reference:	ISO/NP 37002	**Type:**	ISO/NP (New Work Item Proposal)
Committee:	ISO/TC 309		
Opening date:	2018-03-13	**Closing date:**	2018-06-05
Title:	Whistleblowing management systems -- Guidelines		

Reference documents and links

🔴 ISO_NP_37002_Form04   🔴 A ...owing standards guidelines gap analysis 🔴 Annex B - HLS proposed document outline
Whistleblowing managament sy... ...tems - guidelines 🔴 Annex A - Purpose and justification of the proposal continued

ISO specific information:
Committee
eBallot reference (title)
eBallot type
Opening and Closing dates

Votes and comments ⊞ ⊟

Type	Participant ⬍		Cast by	Date
🖋	**Duffy, Peadar Mr** ▼		Duffy, Peadar Mr	2018-03-16 15:54
	1a. Do you approve, disapprove or abstain on this NWIP?	**Approve**		
	Please also select from one of the following options (note that if no option is selected, the default will be the first option):	**Draft document will be registered as new project in the committee's work programme (stage 20.00)**		

Tools ▽   Help ▽

Information   **Participation**   **Audience**

Cast vote as

Reference: ISO/NP 37002 ▾

Committee:	NSAI/TC 30/SC 1	**Type:**	NPOS(A) (Automatic National Positioning Ballot)
Status:	Open		
Opening date:	2018-03-16	**Closing date:**	2018-05-27
Opened on:	2018-03-16 00:00		
Pending phase:	yes		

Ballot source information

Reference:	ISO/NP 37002		
Committee:	ISO/TC 309		
Opening date:	2018-03-13	**Closing date:**	2018-06-05
Title:	Whistleblowing management systems -- Guidelines		

Reference documents:
Relevant documents that can be
downloaded by clicking on them

Reference documents and links ▾

📄 ISO_NP_37002_Form04 📄 Annex E - OECD statement on Whistleblowing standard proposal 📄 Annex D - National whistleblowing standards guidelines gap analysis 📄 Annex B - HLS proposed document outline Whistleblowing mangagement system - guidelines 📄 Annex C - Justification Study for proposal Whistleblowing management systems - guidelines 📄 Annex A - Purpose and justification of the proposal continued

Votes and comments ⊞ ⊟

Type	Participant ⬍		Cast by	Date
🗳	**Duffy, Peadar Mr** ▾		Duffy, Peadar Mr	2018-03-16 15:54
	1a. Do you approve, disapprove or abstain on this NWIP?	Approve		
	Please also select from one of the following options (note that if no option is selected, the default will be the first option):	Draft document will be registered as new project in the committee's work programme (stage 20.00)		

Opening date: 2018-03-16   **Closing date:** 2018-05-27

Opened on: 2018-03-16 00:00

Pending phase: yes

Ballot source information

Reference:	ISO/NP 37002	**Type:**	ISO/NP (New Work Item Proposal)
Committee:	ISO/TC 309		
Opening date:	2018-03-13		
Title:	Whistleblowing management systems -- Guidelines		

Reference documents and links ▼

📄 ISO_NP_37002_Form04 📄 Annex E - OECD statement on Whistleblowing standard proposal 📄 Ann... ...ocument outline Whistleblowing mangagement system - guidelines 📄 Annex C - Justification Study for proposal Whistleblowing management systems - guidelines 📄 Annex A - Purpose and justification of the proposal continued

eBallot questions:
The list of questions that you will be asked when casting you vote.
You can also see who has voted

Votes and comments ⊞ ⊟

Type	Participant		Cast by	Date
🗳	**Duffy, Peadar Mr** ▼		Duffy, Peadar Mr	2018-03-16 15:54
	1a. Do you approve, disapprove or abstain on this NWIP?	**Approve**		
	Please also select from one of the following options (note that if no option is selected, the default will be the first option):	**Draft document will be registered as new project in the committee's work programme (stage 20.00)**		
	1b. Did you consult with the range of relevant stakeholders identified in the proposal in the development of this voting position and related comments?	**No**		
	2. Standard(s), regulation(s), and other relevant documentation existing in our country, with any remarks concerning their application if necessary and consequences for global relevance, as well as copyright information on these documents, are attached:	**No**		
	3. Do you wish to add any additional comments?	**No**		
	4. We are committed to participating actively in the development of the project, at least by commenting on working drafts (P-members voting "Disapprove" in Qu. 1a may nevertheless nominate experts):	**No**		

Back to list of ballots

All open > ISO/NP 37002

Tools | Help

Information | **Participation** | **Audience**

Cast vote as

Reference: ISO/NP 37002

Committee:	NSAI/TC 30/SC 1	**Type:**	NPOS(A) (Automatic National Positioning Ballot
Status:	Open		
Opening date:	2018-03-16	**Closing date:**	2018-05-27
Opened on:	2018-03-16 00:00		
Pending phase:	yes		

Ballot source information

Reference:	ISO/NP 37002
Committee:	ISO/TC 309
Opening date:	2018-03-13
Title:	Whistleblowing management systems -- Guidelines

Reference documents and links

ISO_NP_37002_Form04 Annex E - OECD statement on Whistleblowing standard proposal Annex D - Whistleblowing management system - guidelines Annex C - Justification Study for proposal Whistleblowing

Votes and comments

Type	Participant		Cast by	Date
	Duffy, Peadar Mr		Duffy, Peadar Mr	2018-03-16 15:54
	1a. Do you approve, disapprove or abstain on this NWIP?	Approve		
	Please also select from one of the following options (note that if no option is selected, the default will be the first option):	Draft document will be registered as new project in the committee's work programme (stage 20.00)		

Cast your vote:
When you have reviewed the documents and are ready to cast you vote click on the CAST YOUR VOTE button
The vote you cast is as a member of the National NSAI Committee not the ISO Committee
The Secretary will review the National votes before instruction NSAI how to cast the Irish vote to ISO.

Vote

Reference: ISO/NP 37002

Committee / Working Group: NSAI/TC 30/SC 1
Status: Open

Opening date: 2018-03-16
Closing date: 2018-05-27

Vote: -- select a participant --

by Finn, Fergal Mr

1a. Do you approve, disapprove or abstain on this NWIP? [Approve]

⊕ **Add a comment**

Please also select from one of the following options (note that if no option is selected, the default will be the first option):

- ⦿ Draft document will be registered as new project in the committee's work programme (stage 20.00)
- ◯ Draft document can be registered as a Working Draft (WD - stage 20.20)
- ◯ Draft document can be registered as a Committee Draft (CD - stage 30.00)
- ◯ Draft document can be registered as a Draft International Standard (DIS - stage 40.00)

1b. Did you consult with the range of relevant stakeholders identified in the proposal in the development of this voting position and related comments? [-- select an answer --]

2. Standard(s), regulation(s), and other relevant documentation existing in our country, with any remarks concerning their application if necessary and consequences for global relevance, as well as copyright information on these documents, are attached: [-- select an answer --]

3. Do you wish to add any additional comments? [-- select an answer --]

4. We are committed to participating actively in the development of the project, at least by commenting on working drafts (P-members voting "Disapprove" in Qu. 1a may nevertheless nominate experts): [-- select an answer --]

[Cast vote] [Reset] [Cancel]

Cast your vote:
If you approve you can still submit comments.
Comments must be submitted on the ISO Commenting Template which can be downloaded if answering YES to question 3
To finish Click on CAST VOTE

NSAI

NSAI Lunch & Learn Committee Expert Training

Unsupported formatting

- **Do not modify the layout** of the template (e.g. add or remove columns)

- **Do not split the comment table** into several tables

- **Do not change the width of individual cells**

- **Do not merge cells (vertically and horizontally).** Instead, refer to another comment or duplicate the text

- **Do not add text, images, etc. outside of the table** (before or after)

- **Do not insert** a **table into a cell** (same comment as previous point). Instead, move them in a separate Word file and insert the file in the comment cell

- **Do not use auto-numbering fields** ("grey" fields). Instead, write plain text

- **Do not password protect** or **write protect** your document

NSAI

Using the Comment template

Helps refining the location

Template for comments and secret

Date:	Document:	Project:

MB/NC[1]	Line number (e.g. 17)	Clause/Subclause (e.g. 3.1)	Paragraph/Figure/Table (e.g. Table 1)	Type of comment[2]	Comments	Proposed change	Observations of the secretariat
	Very important				**Your comment**	**Your proposed change**	**Leave empty**

National comments use initials
IE is two letter code for Ireland - International comments

ge = general

te = technical

ed = editorial

NSAI

MB/NC

Field	Description
MB/NC *	Identifies who submitted the comment: • - ISO members use the **two-letter country code** for their country • - Organizations in liaison use their **liaison acronym** • - Committees in liaison use their **committee reference** *Comments from ISO/CS are indicated by a double asterisk "**"*

* For Committee members please use your initials

NSAI

Line number & Clause/Subclause

Line number	Indicate the line number to which your comment refers. Line numbering is rarely displayed in ISO documents and is therefore not used for the sorting of comments.
Clause/Subclause *	Indicate the clause/subclause to which your comment refers. For numerical clauses, enter only the clause number(s), without any additional wording. If the comment applies to more than one clause, then separate the clauses by line breaks (like below).

RSB		3.1 3.3 3.5

For non-numerical clauses, use:

- - **General** for comments referring to the whole document

- - **Introduction** for comments on the Introduction clause

- - **Annex X.Y** for comments on annexes X.1, X.2, etc.

- - etc.

Paragraph, Type of Comment, Comment

|	
Paragraph/ Figure/ Table	Indicate the paragraph (inside a clause), figure or table to which your comment refers.
Type of comment *	Select the most relevant type of comment for your comment: • - **ge** : general comment • - **te** : technical comment • - **ed** : editorial comment
Comment *	Enter your comment in this column and explain the reason for it. Insert complex objects (tables, figures, bigger images) as separate files either in this column or the *Proposed change* column.

NSAI

Proposed change

- Copy the txt you wish to change from the document
- Cross out words using strikethrough in the font menu in word

Enter new wording in *Italic* the same font size

EXAMPLE
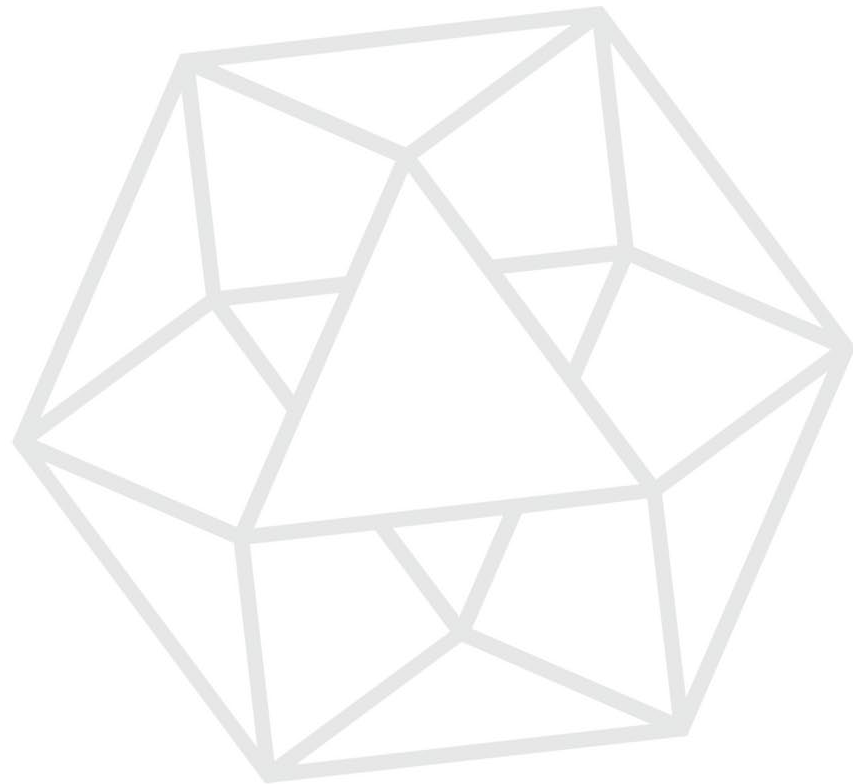
Template for comments and secretariat observations

Date:	Document:	Project:

MB/NC[1]	Line number (e.g. 17)	Clause/ Subclause (e.g. 3.1)	Paragraph/ Figure/ Table/ (e.g. Table 1)	Type of comment[2]	Comments	Proposed change	Observations of the secretariat
IE		3.40.4		GE	Restricted space sounds like a term for a space that humans are not allowed enter but in this case it is the robot that is prevented from entering it by a limiting system	Use the term "limited space" instead of "restricted space"	
IE		H	H.1 item 5.1.11	TE	The only means to verify the cyber security requirements have been met is given as "review of the task based risk assessment".	For item 5.1.11 cyber security allow the following verification/validation methods E – review of application specific schematics, circuit diagrams and design materials G – review of specifications and information for use	
IE		Annex E	4th bullet	Ed	A comment to make the sentence read more clear	Initiate robot motion vertically down using the maximum speed and acceleration settings and record the maximum force measured by the force measurement device	.
IE		3.33		ED	typo	Remove the "r" between "performed" and "by"	

NSAI

barry.cox2@nsai.ie

TC NSAI/TC 45 "Innovation Management"

View | Related committees | ISO Content | Members list | Access list

Administration | General | Meetings | Decisions | Projects | Member area | Mail archive

Committee documents

See all documents...

N	Title	Modified	Expected action
432	DETE_white-paper-on-enterprise-2022-2030	2022-12-09	Info
431	your guide to intellectual property management in Horizon Europe	2022-12-05	
430	your guide to ip in horizon 2020	2022-12-05	
429	european ip helpdesk-- Successful valorisation of knowledge and research results in Horizon Europe	2022-12-05	Info
428	european ip helpdesk bulletin no 4 october 2021	2022-12-05	Info

International committee documents

See all documents...

Workspace	Title	Type	Modified
ISO/TC 279	SBP ISO TC 279 - Result of voting Call for comments on the Strategic Business Plan ISO TC 279	Ballot	2022-12-04
ISO/TC 279	ISO TC 279_CAG_ballot_updated_result_of_voting	Ballot	2022-12-02

Ballot documents

Would you like to represent Ireland on the ISO/TC 279 CAG NCIB ⏱ 2022-12-15	0
ISO/CD 56001 NPOS(A) ⏱ 2023-01-18	1
SBP ISO TC 279 NPOS(A) ⏱ 2022-11-25	0
The creation of the Chairperson's Advisory Group NPOS(A) ⏱ 2022-11-19	0
Line numbering of the ISO/CD 56008 NPOS(A) ⏱ 2022-11-17	0
prEN ISO 56007	0

Meeting documents

North Wood (Ireland) 8 Dec 2022	1

Powered by ISO

2.4.1

Cast Vote

Vote

Reference: ISO/IEC CD 22989.2

Committee / Working Group: NSAI/TC 2/SC 18
Status: Open

Opening date: 2020-09-08
Closing date: 2020-10-20

Vote:

by |

Do you approve the circulation of the draft as a DIS?   Disapproval ▾

Comment file: *

Please select the file to upload: Choose File   No file chosen

Please upload comments only in the Commenting Template

Cast vote   Reset   Cancel

◈ NSAI

Useful NSAI resources:

Your Standards, Your Say   www.nsainep.ie

Standard Sales   www.standards.ie

Standards Sectors   www.nsai.ie/standards/sectors/

NSAI national
committee platform   https://isolutions.iso.org/

NSAI

NSAI resources links

- <u>NSAI Reference Manual</u>

- <u>Code of Conduct for standards work</u>

- <u>Procedures</u>

- <u>Training material</u>

- <u>ISO Resource area</u>

- <u>IEC TC/SC Resource Area</u>

- <u>CEN/CLC Resource Area</u>

- <u>Training Request | NSAI</u>

END OF PRESENTATION

For assistance contact
eoin.mccabe@nsai.ie

NSAI