



ANNUAL REPORT 2018

NSAI /TC 006 CONSTRUCTION
STANDARDS CONSULTATIVE COMMITTEE

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1 Chairman's Statement

The inaugural meeting of the Construction Standards Consultative Committee was held in November 2017.

Following this meeting, a roadmap was prepared for the development of a comprehensive Work Programme with the aim of ensuring the most efficient use of resources in supporting the sectoral needs of standards activities across the construction spectrum in Ireland.

In 2018 two main committee meetings took place in April and November. In addition three working group meetings were convened, to assist in the preparation of the Construction Sector Work Programme (2019-2021), with very constructive inputs from the representatives of the key industry stakeholders.

Throughout 2018 considerable progress was made in the development of the Work Programme (2019-2021) in consultation with the key stakeholders.

Members also identified key focus areas for improvement around standards activities supporting the construction sector including, among other areas:

- the promotion and communication of standards;
- the recruitment of relevant experts on an ongoing basis;
- the increase of the level of engagement by experts at international level;
- the development of a formal structured training programme for Members participating in standards committees and working groups (at national and international level).

Valuable input by Members informed the development of the Work Programme for 2019-2021 and resulted in the establishment of a new WG for the promotion and communication of standards and standards activities in the construction sector.

It is intended to publish the Construction Sector Work Programme (2019 – 2021) in the second quarter of 2019.

I look forward to the continuing constructive engagement and collaboration of the key stakeholders in working with NSAI in this very challenging time for the Construction industry.

Kevin Sheridan

Chair NSAI Construction Consultative Committee (CCC)

17/1/2019

2 Introduction

The construction sector is one of Europe's biggest industries employing more than 12 million EU citizens. It is estimated that in the European Union 26 million workers depend on the construction sector in one way or another. It represents in Europe some 10% of GDP¹.

The government of Ireland strategy for the Construction Sector i.e. '*Construction 2020 A Strategy for a Renewed Construction Sector*' confirms the need for a strong and sustainable construction sector in Ireland. The Strategy sets out a programme of action to "*deliver a strong, sustainable, well – financed, competitive and innovative approach to construction and housing, building to the highest standards, at realistic levels and with consumer protection at its heart.*"²

The construction industry by its nature is dependent on the voluntary standardization process, nationally and internationally, to establish and share best practice and support regulation. Standards form part of the technical and regulatory framework for national and EU policies for the built environment, energy usage, sustainability, open market and climate change.

The European Standards program for the construction sector, in which NSAI participates, includes more than 3000 work items on product standards and test methods, of which about 600 standards are or will be harmonized under the Construction Products Regulation (CPR) along with approximately 1500 supporting standards (test methods)¹.

NSAI Standards budget in 2018 was circa 3 million euro and a staff of about 22 people. 30% of these resources were allocated to supporting the standardization needs of the construction industry, nationally and internationally. Construction related projects account for up to 50 % of NSAI's national standardisation work programme. There are around 320 experts participating in standards development activities nationally on construction related committees or directly engaged in international standards development.

Experts and Stakeholders from the construction industry continue to make considerable commitments to standards development activity in the construction sector in Ireland to ensure relevant standards are available to industry and regulators.

Nationally there are approximately 140 Technical bodies engaged in construction related standards development activities. A Technical Body (TB) may be a Technical Committee (TC), a Sub – Committee (SC) a Working Group (WG) or a Workshop (CEN only). See Annex A for a list of the main national construction related Technical Bodies.

These Committees/Technical Bodies operate under the functions outlined in the NSAI Act 1996 and the standard NSAI Terms of Reference for Consultative Committees. The current NSAI Construction Standards Consultative Committee was established in 2017 with its inaugural meeting taking place in November 2017. There were 2 meetings of the main Consultative Committee held in 2018.

The primary objective of the Committee is to provide NSAI with expert advice on general and standardization policy matters relating to construction in Ireland. The Chairs of all the NSAI Construction Committees are among the many stakeholders participating in the work of the Construction Standards Committee.

¹ <https://www.cen.eu/work/areas/construction/Pages/default.aspx>

² Construction 2020, A Strategy for a Renewed Construction Sector, Government Publications May 2014

This annual report provides a summary of the activities of the Construction Standards Consultative Committee in 2018.

Further detail of the activities in 2018 of individual construction related Technical Committees is available in the relevant individual NSAI construction committee annual reports for 2018.

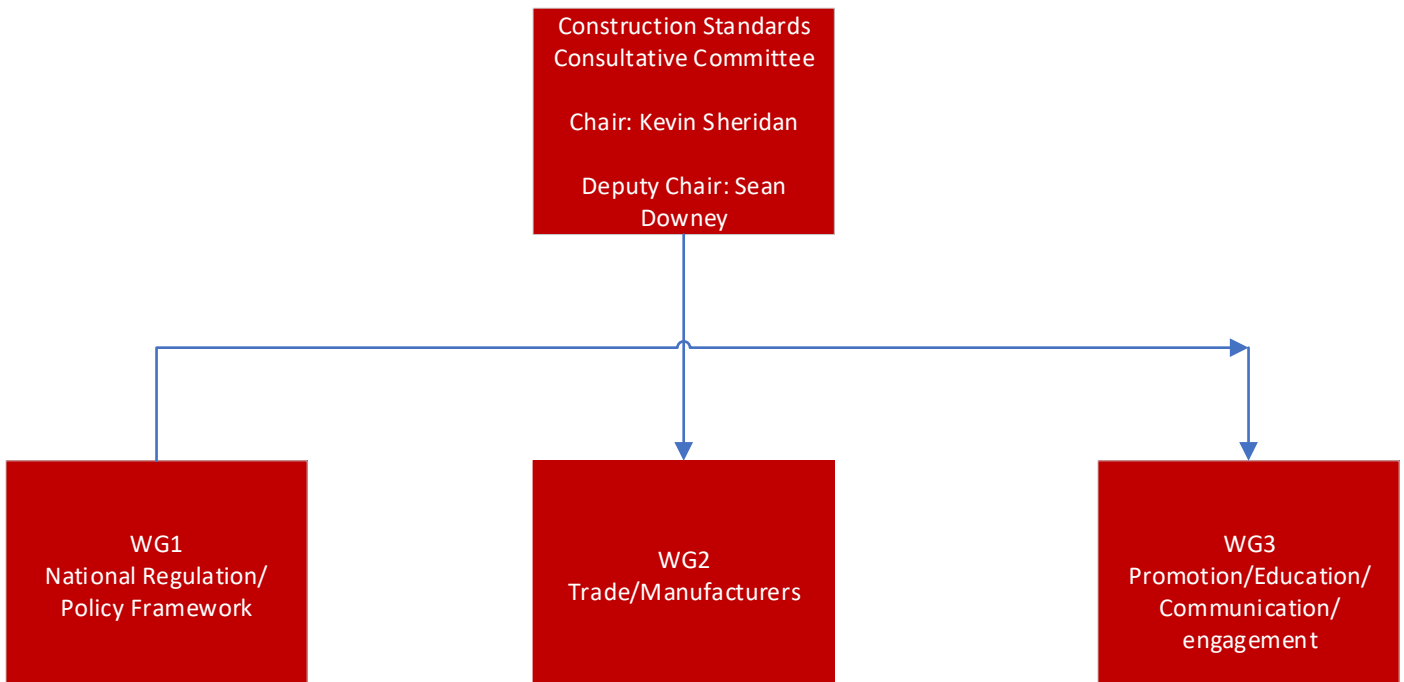
3 Scope of TC

To mirror the work of the CEN Construction Sector Network Forum which currently advises CEN BT on construction related matters.

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Members

Organisation	Name	Role
Consultant	Kevin Sheridan	Chair Construction Standards Consultative Committee)
CIF	Sean Downey	Deputy Chair CCC
RIAI	Peter Andrews	Member
DHPLG	Sean Armstrong	Chair Retrofit Committee Chair Energy Performance of Buildings
IGBC	Pat Barry	Member
Independent	Michael Byrne	Chair Aggregates Panel
Solas	Jo Cahalin	Member
Engineers Ireland	Murt Coleman	Member
NDA	Gerald Craddock	Chair Universal Design Committee
ACEI	Richard Crowe	Member
Consultant	Liam Hearne	Chair Gas Standards Consultative Committee
IBEC	David Howard	Member
NDA	James Hubbard	Member
NSAI Agrément	Martin English	Member
Housing Agency	Norman Jackson	Member
Garland Consulting	Noel Kane	Chair Masonry Panel
Enterprise Ireland	Neil Kerrigan	Member
Society of Chartered Surveyors of Ireland	Noel Larkin	Member
Consultant	Frank Lee	Member
Dept of Agriculture, Food and Marine	Robert Leonard	Member
Colas Ireland	Gearoid Lohan	Chair Road Standards Consultative Committee
Golder	Michael Maher	Chair Pyrite Committee
Kavanagh, Mansfield and Partners	Jim Mansfield	Chair Eurocodes Committee
SEAI	Paul Martin	Chair Building Services Standards Committee
CEI	John McAuley	Member
Roadstone	Dermot McCarthy	Member
Wavin	Fergal McGeough	Member
Arcdox	Ralph Montague	Chair BIM Standards Committee
Consultant	Michael Murray	Chair Slating and Tiling Standards Committee
Irish Water	Liam Murray	Member
OPW	Ciaran O'Connor	Member
CIT	Brian O'Rourke	Chair Concrete Standards Committee
LGMA	Mairead Phelan	Member
Consultant	Bill Robinson	Chair Timber Standards Consultative Committee
Michael Slattery and Associates	Michael Slattery	Chair Fire Safety Standards Committee
ICF	Liam Smyth	Member
Tricel	Michael Stack	Member
Homebond	Conor Taaffe	Member
DHPLG	John Wickham	Member
NSAI	James Clarke	National secretary support team
NSAI	Ken Murphy	National secretary support team
NSAI	Elizabeth O'Ferrall	National secretary support team
NSAI	Alice Hanley	National secretary support team
NSAI	Pat Hayes	National secretary support team
NSAI	Fergal Finn	National secretary support team
NSAI	Sabina Seneviratne	National secretary support team
NSAI	Stewart Hickey	National secretary support team
NSAI	Yvonne Wylde	Manager Standards Technical
NSAI	Therese Clarke	Technical Secretary CCC

5 Summary of 2018 Activities

5.1 Meetings

Committee members attended the following national meetings in NSAI as follows:

Meeting No.	Date
1. NSAI/TC006 Main committee	25/4/2018
2. NSAI/TC006 WG1	10/9/2018
3. NSAI/TC006 WG2	10/9/2018
4. NSAI/TC006 WG1	1/10/2018
5. NSAI/TC006 WG2	1/10/2019
6. NSAI/TC006 Main committee	14/11/2018

5.2 National Work

5.2.1 Development of the national work programme for construction standards

The NSAI Construction Sector Work Programme provides an overview of the main standardization developments and strategic priority areas for 2019-2021.

Given the scale of the domain, the Work Programme has been developed in a format that will enhance industry stakeholders' abilities to identify areas of interest, and subsequently improve their ability to benefit from, and engage with National and International Standardization.

Contained within the Work Programme is a comprehensive and detailed list of National Committees (NC) related to construction. Each NC has been linked to the "mirrored" International Committee.

The direction of Standardization activities has been guided by the key stakeholders within the Construction Consultative Committee, thereby ensuring the efficient use of NSAI resources.

The data contained within the Work Programme represents a "snapshot in time" of a domain that is continuously updating. Going forward Standards Officers will update the data at regular intervals.

Some sample extracts from the Work Programme database can be seen in Annex B.

5.2.2 Establishment of NSAI/TC 006 Working groups

WG1 provided advise/input into the development of the standards programme of work in terms of support required for national regulatory/policy framework.

WG2 provided advise/input into the development of the standards programme of work in terms of support required for trade in the construction sector and for manufacturers supplying to the industry (national and export).

WG3 was established following the TC 006 meeting in November 2018 with a plan for the first meeting to be held in January 2019. The function of WG 3 is to consider and advise in relation to communication, promotion and education needs in relation to construction standards across the industry.

5.2.3 Key focus areas

Members identified issues/areas for improvement to inform the construction standards work programme going forward, including the following:

- i. Increasing the number of experts and level of expert engagement in some areas of standardisation nationally e.g. Water Supply, Waste Water, Timber, Masonry Panel, and internationally e.g. Slating and tiling, Building services, BIM.
- ii. Recruiting new Members, in particular newly qualified/ in the early stage of their career, scientists and engineers to become involved in standardisation.
- iii. Improving promotion of standards and standards development activities within the construction industry.
- iv. Developing a training programme for experts involved in standards development

5.3 Regulatory Development/Update

Regulatory development/updates specific to NSAI construction related Technical Committees are available in the relevant annual reports.

The following National and European regulatory and policy developments related to the construction industry were brought to the attention of Members during 2018:

5.3.1 Irish Building Regulations - Public consultation on the following

Part L (Conservation of Fuel and Energy) Dwellings, the accompanying Technical Guidance Document L for Dwellings; and Draft DEAP 4.1

Part F (Ventilation), the accompanying Technical Guidance Document F; a draft Installation and Commissioning of Ventilation Systems for Dwellings - Achieving Compliance with Part F 2018

Directive 2010/31/EU of the European Parliament and of the Council on the energy performance of buildings (Recast) sets requirements at an EU level for Member States to improve the energy performance of buildings and to make an important contribution to the reduction of greenhouse gas emissions.

As part of the implementation of this directive it is proposed to amend Building Regulations Part L Conservation of Fuel and Energy- Dwellings, and Building Regulations Part F Ventilation.

5.3.2 Construction Products Regulation

Roadmap for the implementation of the Construction Products Regulation (CPR)

<http://ec.europa.eu/docsroom/documents/27302>

Survey on users' need for information on construction products

https://publications.europa.eu/survey_CPR_users'_needs

Construction Products Regulation – Survey on information needs among Members States

Authorities <https://ec.europa.eu/docsroom/documents/28684>

CPR – EC Consultation on review

https://ec.europa.eu/growth/sectors/construction/productregulation/review_en

6 Irish Publications

See Annex C for a list of Irish National publications, National and International publications adopted by NSAI, related to the construction industry, published in 2018.

7 Work programme for 2019 onwards

Completion of the construction standards Work Programme for the construction sector 2019-2021, end of first quarter 2019.

Publication of the construction sector standards Work Programme 2019-2021.

Planned meetings for the newly established WG3 – Communication and promotion of standards.

Development of Work Programme for WG3 – Communication and promotion of standards.

Continued function in providing NSAI with expert advice on general and standardization policy matters relating to construction in Ireland.

8 Photo of NSAI Construction Standards Consultative Committee



NSAI Construction Standards Consultative Committee at NSAI Head Offices in Santry, on 29th November 2017

Back Row- From Left to right

Ciaran O'Connor (OPW), **Brian O'Rourke** (Chair Concrete Committee), **Dr Michael Murray**, (Chair Slating and Tiling Committee), **Gearoid Lohan**, (Chair Roads Committee), **James Hubbard**, ((A) Universal Design Committee), **Jim Mansfield**, (Chair Eurocodes Committee), **Liam Hearne** (Chair Gas Stds Committee), **Michael Slattery** (Chair Fire Stds Committee), **Ralph Montague** (Chair BIM Committee), **Richard Crowe**, (ACEI) , **John McAuley** (Chair Electrotechnical Committee, **Noel Larkin** (SCSI), **Murt Coleman** (Engineers Ireland) , **Dermot McCarthy** (Aggregates Panel), **Norman Jackson** (Housing Agency), **Pat Barry** (IGBC), **Martin English** (NSAI Sustainability and Built Environment), **Peter Andrews**, (RIAI), **Liam Smyth**, (ICF), **John Wickham** (DHPLG).

Front Row- Left to right

Bill Robinson, (Chair Timber Standards Committee), **Noel Kane** (Chair Masonry Panel), **Kevin Sheridan**, (Committee Chairman CSCC,) **Yvonne Wylde**, (Manager Standards Technical) **Therese Clarke**, (Standards Officer NSAI , Secretary Construction Standards Committee)

Annex A

List of NSAI National Technical Bodies (construction)

Technical Body	Title
NSAI/TC 8/WG 22	Trussed rafters and timber in buildings
NSAI/TC 8/WG 23	Timber frame construction
NSAI/TC 58/SC 1	Testing and categorization
NSAI/TC 58/SC 2	Remediation works (Standby)
NSAI/TC 12	Slating and Tiling
NSAI/TC 3/SC 3	Aggregates Panel
NSAI/TC 8	Timber
NSAI/TC 17/SC 5/WG 6	Noise Reducing Devices
NSAI/TC 17/WG 1	Asphalt
NSAI/TC 3/SC 1	Concrete
NSAI/TC 17/WG 2	Aggregates Panel
NSAI/TC 3	Concrete Committee
NSAI/TC 17	Roads Standards
NSAI/TC 17/WG 3	Binders
NSAI/TC 63	Concrete Blocks Committee
NSAI/TC 17/WG 7	SR 16_SR 18
NSAI/TC 15/SC 2	Concrete
NSAI/TC 15/SC 3	Steel
NSAI/TC 15/SC 7	Geotechnics
NSAI/TC 16	Fire Safety
NSAI/TC 58	Reactive pyrite in sub-floor hardcore material
NSAI/TC 15	National Eurocodes
NSAI/TC 6	Construction Consultative Committee
NSAI/TC 47/SC 22	Building Information Modelling
NSAI/TC 17/SC 5/WG 1	Crash Barriers, safety fences, guard rails and bridge parapets
NSAI/TC 17/SC 5/WG 2	Horizontal Road Signs
NSAI/TC 17/SC 5/WG 3	Vertical Signs

Technical Body	Title
NSAI/TC 31/SC 2/WG 16	Factory production control
NSAI/TC 31/SC 2/WG 18	External thermal insulation composite systems
NSAI/TC 31/SC 2/WG 19	Polyethylene foam
NSAI/TC 31/SC 2/WG 3	Mineral wool
NSAI/TC 12/SC 11	Double skin metal faced insulating sandwich panels for roofing and cladding
NSAI/TC 31/SC 2	Thermal insulating materials and products
NSAI/TC 16/WG 1	Fire Safety in buildings
NSAI/TC 47/SC 25/WG 2	Mirror Committee of CEN TC135 WGs
NSAI/TC 17/SC 5	Road Equipment
NSAI/TC 47/SC 2	Windows & Doors
NSAI/TC 3/SC 2	Masonry
NSAI/TC 15/SC 1	Actions
NSAI/TC 15/SC 5	Timber
NSAI/TC 15/SC 6	Masonry
NSAI/TC 15/SC 20	HG Bridges
NSAI/TC 15/SC 21	HG Fire
NSAI/TC 19	Energy Performance of Buildings
NSAI/TC 46	Construction Products
NSAI/TC 17/SC 5/WG 11	Variable Message Signs
NSAI/TC 8/WG 21	Timber grading - Machine and visual strength grading
NSAI/TC 12/SC 1	Design of timber battens and fixings
NSAI/TC 12/SC 2	Concrete roofing tiles
NSAI/TC 12/SC 3	Roofing underlays
NSAI/TC 12/SC 4	Fibre-cement tiles
NSAI/TC 8/WG 24	Timber fencing/preservatives
NSAI/TC 17/WG 4	Surface Dressing
NSAI/TC 17/SC 5/WG 10	Passive Safety of Support Structures for Road Equipment
NSAI/TC 31/SC 2/WG 1	Common general test methods
NSAI/TC 31/SC 2/WG 10	Building equipment and industrial installations
NSAI/TC 31/SC 2/WG 11	Vacuum insulation products (VIP)
NSAI/TC 31/SC 2/WG 12	Prefabricated products of bonded expanded perlite

Technical Body	Title
NSAI/TC 31/SC 2/WG 14	Terminology
NSAI/TC 31/SC 2/WG 20	Expanded clay lightweight aggregates
NSAI/TC 31/SC 2/WG 21	Reflective insulation products
NSAI/TC 31/SC 2/WG 23	Vegetable fibers based products (VFBP)
NSAI/TC 31/SC 2/WG 9	Mineral bonded wood wool (including multi-layered products)
NSAI/TC 8/WG 25	Wood-based panels
NSAI/TC 8/WG 26	Round and sawn timber
NSAI/TC 19/WG 1	Overarching Standards
NSAI/TC 19/WG 2	Buildings
NSAI/TC 19/WG 3	Technical Building Systems
NSAI/TC 47/SC 25/WG 1	Balloting for CEN TC 135
NSAI/TC 3/SC 4	Mica/Pyrite Blocks
NSAI/TC 47/SC 25	Execution of steel structures and aluminium structures
NSAI/TC 47/SC 10	Slip resistance of pedestrian surfaces - Methods of evaluation
NSAI/TC 15/SC 4	Composite Steel/concrete
NSAI/TC 61	Chimney Adhoc
NSAI/TC 46/WG 3	Planning
NSAI/TC 46/WG 4	General
NSAI/TC 46/WG 5	Fire
NSAI/TC 47/SC 2/WG 1	Building Hardware
NSAI/TC 47/SC 21/CEN-CLC-BT WG 9	CEN-CLC-BT WG009
NSAI/TC 47/SC 21/WG 215	CEN-BT-WG 215
NSAI/TC 16/WG 5	Emergency Lighting
NSAI/TC 16/WG 2	Fire Alarms
NSAI/TC 16/WG 3	Fire Service
NSAI/TC 16/WG 4	Fire Safety of furniture & textiles
NSAI/TC 31	Building Services Committee
NSAI/TC 31/SC 4	Ventilation for buildings
NSAI/TC 31/SC 3/WG 11	Revision of EN 14624
NSAI/TC 31/SC 3/WG 6	Revision of EN 378
NSAI/TC 31/SC 3	Refrigerating systems, safety and environmental requirements

Technical Body	Title
NSAI/TC 31/SC 5	Air filters for general air and other gases cleaning
NSAI/TC 10/WG 2	Pipes
NSAI/TC 40	Retrofit of existing dwellings
NSAI/TC 33/SC 3	Certification and Inspection of Cranes
NSAI/TC 33/SC 2	Tower Cranes and Self Erecting Cranes
NSAI/TC 33/SC 4	Bridge and gantry cranes
NSAI/TC 33/SC 1	Cranes Safety General
NSAI/TC 47/SC 23	Facilities Management
NSAI/TC 11/WG 6	SR 66 Drafting
NSAI/TC 11/WG 2	Small wastewater treatment systems
NSAI/TC 11/WG 3	Water service road furniture
NSAI/TC 11/WG 1	Pipes and Networks
NSAI/TC 11/WG 5	Use of treated wastewater
NSAI/TC 11	Wastewater Engineering
NSAI/TC 11/WG 4	Guidance to management of FOG

Annex B Construction Sector Work Programme

THIS SHEET CONTAINS A **COMPREHENSIVE** LIST OF NATIONAL COMMITTEES (NC) RELATED TO CONSTRUCTION. THE NC HAS BEEN LINKED TO THE INTERNATIONAL COMMITTEES MIRRORED/MONITORED

NSAI TC	Technical Secretary	National Committee Title	no of committee members	Current National Standards	NWI Approved 2018 - 2021	International Committee Reference	International Committee Title	International Published Standards	CEN Work programme
NSAI/TC 3/SC 1	ken.murphy@nsai.ie	Concrete	14	1	0	CEN/TC 104/SC 1	Concrete - Specification, performance, production and conformity		
NSAI/TC 3/SC 2	ken.murphy@nsai.ie	Masonry	17	1	0	CEN/TC 125	Masonry	61	3
NSAI/TC 63	ken.murphy@nsai.ie	Concrete Blocks Committee	26	1	-				
NSAI/TC 6	therese.clarke@nsai.ie	Construction Consultative Committee	43	0	0	-	-	-	-
NSAI/TC 8	pat.hayes@nsai.ie	Timber	19	13	3	CEN/TC 38	Durability of wood and derived materials	60	30
						CEN/TC 112	Wood-based panels	63	8
						CEN/TC 124	Timber structures	41	18
						CEN/TC 124/WG 1	Test methods	19	6
						CEN/TC 124/WG 2	Solid timber	13	1
						CEN/TC 124/WG 3	Glued laminated timber	3	3
						CEN/TC 124/WG 4	Connectors	4	5
						CEN/TC 124/WG 5	Prefabricated wall, floor and roof elements	1	1
						CEN/TC 124/WG 6	Wood poles	1	1
						CEN/TC 175	Round and sawn timber	74	13
					ISO/TC 89	Wood-based panels	45	4	
					ISO/TC 165	Timber structures	91	16	
					ISO/TC 287	Chain of custody of wood and wood-based products	1	0	

Figure 1. Sample extract from the NSAI Construction Sector Work Programme (Tab 1: NSAI Construction Committees)

KEY	Published	Published	
	Approved WI		Approved WI
	Planned WI		
THIS SHEET CONTAINS A COMPREHENSIVE LIST OF IRISH STANDARDS PUBLISHED or UNDER DEVELOPMENT. THIS INCLUDES NATIONAL ANNEXES TO ENs			
National Committee	Reference	Title	Notes (i.e. Standard is driven by; Dept. Request/Directive/Mandate)
NSAI TC 16	I.S. 291:2015+A1:201X	Selection, commissioning, installation, inspection and maintenance of portable fire extinguishers	Systematic Review
NSAI TC 16	I.S. 3218:20XX	Fire detection and alarm systems for buildings - System design, installation, servicing and maintenance	Systematic Review
NSAI TC 16	I.S. 391:201x	Fire mains for buildings - Installation, commissioning, maintenance and testing	Stakeholders demand
NSAI TC 17	I.S. 844:201x	Transportation and installation of bituminous materials for roads and other paved areas	Industry request
NSAI TC 17	I.S. 888:2016	Code of Practice for the procurement and use of unbound granular fill hardcore material for use under concrete floors	Government request - Recommendation of the report or the pyrite panel 2012
NSAI TC 17	I.S. EN 13055-1:2002/NA:2010	Lightweight aggregates - Part 1: Lightweight aggregates for concrete, mortar and grout	
NSAI TC 17	I.S. EN 13139:2002+NA:2010	Aggregates for mortar	
NSAI TC 17	I.S. EN 13383-1:2002/NA-2010	Irish National Annex to Armourstone - Part 1: Specification	
NSAI TC 17	I.S. EN 13383-1:2002+NA:2010	Armourstone - Part 1: Specification (including Irish National Annex)	
NSAI TC 17	S.R. 16:2016	Guidance on the use of I.S. EN 12620:2002+A1:2008 - Aggregates for concrete	Industry request - CPR
NSAI TC 17	S.R. 16:201X	Guidance on the use of I.S. EN 12620:201X - Aggregates for concrete	Publication of EN 12620 currently under development in CEN -Industry request - CPR
NSAI TC 17	S.R. 17:2004	Guidance on the use of I.S. EN 13043:2002 - Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas	Industry request - CPR

Figure 2. Sample extract from the NSAI Construction Sector Work Programme (Tab 2: National Standards Work Programme)

THIS SHEET CONTAINS A COMPREHENSIVE LIST OF CEN COMMITTEES RELATED TO THE CONSTRUCTION. EACH CEN COMMITTEE HAS A LINK TO THE LIST OF CEN TECHNICAL BODIES HOMEPAGE

CEN Committee Reference	CEN Committee Title	Classification 1	Group Sector (Cen Group Sectors)	Include Construction review June 2018	Mapped	Documents - Draft	Document - Pub	Status	NSAI notes
CEN/CLC/JTC 11	Accessibility in the built environment	Accessability		3	3	1			
CEN/TC 10	Lifts, escalators and moving walks	Mechanical and machinery	Mechanical engineering	2	2	12	53		Standards takers, except for some input on accessibility issues
CEN/TC 33	Doors, windows, shutters, building hardware and curtain walling	Construction	Building and civil engineering	2	1	25	166		Electronic committee. No national engagement. CE marking will become necessary in short term. Establish current status of EN's; workshop; then reconsider committee
CEN/TC 38	Durability of wood and wood-based products	Construction	Building and civil engineering	3	1	9	86		

Figure 3. Sample extract from the NSAI Construction Sector Work Programme (Tab 1: CEN Construction Committees)

Annex C

NSAI Publications in the Construction sector 2018

Sector Description	Reference	Title_NSAI
National Publications – Construction Sector 2018		
Building and civil engineering	I.S. 465:2018	Concrete Block failure; Assessment, Testing and Categorization Protocol
Building and civil engineering	S.R. 28:2018	Recommendation for the use and implementation of the I.S. EN 13108 series bituminous mixtures – material specifications
Building and civil engineering	S.R. 61:2018	Guidance on the use of I.S. EN 12271:2006 Surface Dressing –Requirements
Building and civil engineering	S.R. 62:2018	Guidance on the use of I.S. EN 12271:2006 Surface Dressing –Requirements
Building and civil engineering	S.R. 325:2013+A2:2018	Recommendations for the design of masonry structures in Ireland to Eurocode 6
Adopted European & International publications – Construction Sector 2018		
Construction/Civil	I.S. EN 14428:2015+A1:2018	Shower enclosures - Functional requirements and test methods
Construction/Civil	I.S. EN 14516:2015+A1:2018	Baths for domestic purposes
Construction/Civil	I.S. EN 14527:2016+A1:2018	Shower trays for domestic purposes
Construction/Civil	I.S. EN 14528:2015+A1:2018	Bidets - Functional requirements and test methods

Sector Description	Reference	Title_NSAI
Construction/Civil	I.S. EN 14688:2015+A1:2018	Sanitary appliances - Wash basins - Functional requirements and test methods
Construction/Civil	I.S. EN 16205:2013+A1:2018	Laboratory measurement of walking noise on floors
ACOUSTICS AND SOUND INSULATION	I.S. EN ISO 3822-3:2018	Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 3: Mounting and operating conditions for in-line valves and appliances (ISO 3822-3:2018)
ACOUSTICS AND SOUND INSULATION	I.S. EN ISO 16283-2:2018	Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 2: Impact sound insulation (ISO 16283-2:2018)
ACOUSTICS AND SOUND INSULATION	S.R. CEN/TR 16961:2018	Declaration of uncertainties in test reports
AGGREGATES	I.S. EN 16236:2018	Assessment and Verification of the Constancy of Performance (AVCP) of aggregates - Type testing and Factory Production Control
& International AIR DISTRIBUTION	S.R. CEN/TS 16244:2018	Ventilation in hospitals - Coherent hierarchic structure and common terms and definitions for a standard related to ventilation in hospitals
AIR DISTRIBUTION	S.R. CEN/TS 17153:2018	Ventilation for buildings - Correction of air flow rate according to ambient conditions
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TR 17304:2018	Construction products - Assessment of release of dangerous substances - Determination of emissions into indoor air of ammonia from cellulose insulation at 90 % RH
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TS 16637-1:2018	Construction products - Assessment of release of dangerous substances - Part 1: Guidance for the determination of leaching tests and additional testing steps
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TS 17195:2018	Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in eluates
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TS 17196:2018	Construction products: Assessment of release of dangerous substances - Digestion by aqua regia for subsequent analysis of inorganic substances
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TS 17197:2018	Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in digests and eluates - Analysis by Inductively Coupled Plasma - Optical Emission Spectrometry (ICP-OES)

Sector Description	Reference	Title_NSAI
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TS 17200:2018	Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in digests and eluates - Analysis by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TS 17201:2018	Construction products: Assessment of release of dangerous substances - Content of inorganic substances - Methods for analysis of aqua regia digests
BUILDING AND CONSTRUCTION ENVIRONMENTAL ASPECTS	S.R. CEN/TS 17216:2018	Construction products - Assessment of release of dangerous substances - Determination of activity concentrations of radium-226, thorium-232 and potassium-40 in construction products using semiconductor gamma-ray spectrometry
BUILDING DESIGN	I.S. EN 13200-3:2018	Spectator facilities - Part 3: Separating elements - Requirements
CENTRAL HEATING BOILERS	I.S. EN 13203-6:2018	Gas-fired domestic appliances producing hot water - Part 6: Assessment of energy consumption of adsorption and absorption heat pumps
CERAMIC TILES	I.S. EN ISO 10545-2:2018	Ceramic tiles - Part 2: Determination of dimensions and surface quality (ISO 10545-2:2018)
CERAMIC TILES	I.S. EN ISO 10545-3:2018	Ceramic tiles - Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density (ISO 10545-3:2018)
CONCRETE	I.S. EN 12390-14:2018	Testing hardened concrete - Part 14: Semi-adiabatic method for the determination of heat released by concrete during its hardening process
CONCRETE	S.R. CEN/TR 17172:2018	Validation testing program on chloride penetration and carbonation standardized test methods
DOORS AND WINDOWS	I.S. EN 12216:2018	Shutters, external blinds, internal blinds - Terminology, glossary and definitions
DOORS AND WINDOWS	I.S. EN 12519:2018	Windows and pedestrian doors - Terminology
DOORS AND WINDOWS	I.S. EN 13126-6:2018	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 6: Variable geometry stay hinges (with or without a friction stay)
DOORS AND WINDOWS	I.S. EN 14351-2:2018	Windows and doors - Product standard, performance characteristics - Part 2: Internal pedestrian doorsets

Sector Description	Reference	Title_NSAI
DRAINAGE EQUIPMENT	I.S. EN 15885:2018	Classification and characteristics of techniques for renovation, repair and replacement of drains and sewers
DRAINAGE EQUIPMENT	I.S. EN 16932-1:2018	Drain and sewer systems outside buildings - Pumping systems - Part 1: General requirements
DRAINAGE EQUIPMENT	I.S. EN 16932-2:2018	Drain and sewer systems outside buildings - Pumping systems - Part 2: Positive pressure systems
DRAINAGE EQUIPMENT	I.S. EN 16932-3:2018	Drain and sewer systems outside buildings - Pumping systems - Part 3: Vacuum systems
DRAINAGE EQUIPMENT	I.S. EN 16941-1:2018	On-site non-potable water systems - Part 1: Systems for the use of rainwater
ELECTRIC TRACTION EQUIPMENT	I.S. EN 50129:2018	Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signalling
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-4-42:2011/A1:2015	Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-5-534:2016	Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control - Clause 534: Devices for protection against transient overvoltages
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-5-551:2010/A11:2016	Low-voltage electrical installations - Part 5-55: Selection and erection of electrical equipment - Other equipment - Clause 551: Low-voltage generating sets
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-5-557:2013	Low-voltage electrical installations - Part 5-557: Selection and erection of electrical equipment - Auxiliary circuits
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-5-557:2013/A11:2016	Low-voltage electrical installations - Part 5-557: Selection and erection of electrical equipment - Auxiliary circuits
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-7-704:2018	Low voltage electrical installations - Part 7-704: Requirements for special installations or locations - Construction and demolition site installations
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-7-712:2016	Low-voltage electrical installations - Part 7-712: Requirements for special installations or locations - Photovoltaic (PV) systems
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-8-1:2015	Low-voltage electrical installations - Part 8-1: Energy efficiency

Sector Description	Reference	Title_NSAI
ELECTRICAL INSTALLATIONS IN BUILDINGS	S.R. HD 60364-8-2:2018	Low-voltage electrical installations - Part 8-2: Prosumer's low-voltage electrical installations
ELECTRICAL MEASURING EQUIPMENT	I.S. EN 50470-1:2006/A1:2018	Electricity metering equipment (a.c.) - Part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B and C)
ELECTRICAL MEASURING EQUIPMENT	I.S. EN 50470-2:2006/A1:2018	Electricity metering equipment (a.c.) - Part 2: Particular requirements - Electromechanical meters for active energy (class indexes A and B)
ELECTRICAL MEASURING EQUIPMENT	I.S. EN 50470-3:2006/A1:2018	Electricity metering equipment (a.c.) - Part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)
ELECTRICAL MEASURING EQUIPMENT	I.S. EN IEC 62056-6-2:2018	Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes
FIRE TESTS	I.S. EN 1364-2:2018	Fire resistance tests for non-loadbearing elements - Part 2: Ceilings
FIRE TESTS	I.S. EN 1366-11:2018	Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components
FIRE TESTS	I.S. EN 15254-4:2018	Extended application of results from fire resistance tests - Non-loadbearing walls - Part 4: Glazed constructions
FIRE TESTS	I.S. EN 15254-5:2018	Extended application of results from fire resistance tests - Non-loadbearing walls - Part 5: Metal sandwich panel construction
FIRE TESTS	I.S. EN 15254-7:2018	Extended application of results from fire resistance tests - Non-loadbearing ceilings - Part 7: Metal sandwich panel construction
FIRE TESTS	I.S. EN 15269-11:2018	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 11: Fire resistance for operable fabric curtains
FIRE TESTS	I.S. EN ISO 1716:2018	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) (ISO 1716:2018)
FLOOR AND SURFACING	I.S. EN 13892-9:2018	Methods of test for screed materials - Part 9: Dimensional stability
GAS CLEANING	I.S. EN ISO 29463-2:2018	High-efficiency filters and filter media for removing particles in air - Part 2: Aerosol production, measuring equipment and particle-counting statistics (ISO 29463-2:2011)

Sector Description	Reference	Title_NSAI
GAS CLEANING	I.S. EN ISO 29463-3:2018	High-efficiency filters and filter media for removing particles in air - Part 3: Testing flat sheet filter media (ISO 29463-3:2011)
GAS CLEANING	I.S. EN ISO 29463-4:2018	High-efficiency filters and filter media for removing particles in air - Part 4: Test method for determining leakage of filter elements-Scan method (ISO 29463-4:2011)
GAS CLEANING	I.S. EN ISO 29463-5:2018	High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements (ISO 29463-5:2011)
GASEOUS FUELS AND COMBUSTIBLE GAS	I.S. EN 437:2018	Test gases - Test pressures - Appliance categories
GEOTECHNICS	I.S. EN 16907-1:2018	Earthworks - Part 1: Principles and general rules
GEOTECHNICS	I.S. EN 16907-2:2018	Earthworks - Part 2: Classification of materials
GEOTECHNICS	I.S. EN 16907-3:2018	Earthworks - Part 3: Construction procedures
GEOTECHNICS	I.S. EN 16907-4:2018	Earthworks - Part 4: Soil treatment with lime and/or hydraulic binders
GEOTECHNICS	I.S. EN 16907-5:2018	Earthworks - Part 5: Quality control
GEOTECHNICS	I.S. EN 16907-6:2018	Earthworks - Part 6: Land reclamation earthworks using dredged hydraulic fill
GEOTECHNICS	I.S. EN ISO 14688-1:2018	Geotechnical investigation and testing - Identification and classification of soil - Part 1: Identification and description (ISO 14688-1:2017)
GEOTECHNICS	I.S. EN ISO 14688-2:2018	Geotechnical investigation and testing - Identification and classification of soil - Part 2: Principles for a classification (ISO 14688-2:2017)
GEOTECHNICS	I.S. EN ISO 14689:2018	Geotechnical investigation and testing - Identification, description and classification of rock (ISO 14689:2017)
GEOTECHNICS	I.S. EN ISO 17892-7:2018	Geotechnical investigation and testing - Laboratory testing of soil - Part 7: Unconfined compression test (ISO 17892-7:2017)

Sector Description	Reference	Title_NSAI
GEOTECHNICS	I.S. EN ISO 17892-8:2018	Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test (ISO 17892-8:2018)
GEOTECHNICS	I.S. EN ISO 17892-9:2018	Geotechnical investigation and testing - Laboratory testing of soil - Part 9: Consolidated triaxial compression tests on water saturated soils (ISO 17892-9:2018)
GEOTECHNICS	I.S. EN ISO 17892-12:2018	Geotechnical investigation and testing - Laboratory testing of soil - Part 12: Determination of liquid and plastic limits (ISO 17892-12:2018)
GEOTECHNICS	I.S. EN ISO 22476-6:2018	Geotechnical investigation and testing - Field testing - Part 6: Self boring pressuremeter test (ISO 22476-6:2018)
GEOTECHNICS	I.S. EN ISO 22476-8:2018	Geotechnical investigation and testing - Field testing - Part 8: Full displacement pressuremeter test (ISO 22476-8:2018)
GEOTECHNICS	I.S. EN ISO 22477-4:2018	Geotechnical investigation and testing - Testing of geotechnical structures - Part 4: Testing of piles: dynamic load testing (ISO 22477-4:2018)
GEOTECHNICS	I.S. EN ISO 22477-5:2018	Geotechnical investigation and testing - Testing of geotechnical structures - Part 5: Testing of grouted anchors (ISO 22477-5:2018)
HEAT PUMPS	I.S. EN 14511-1:2018	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions
HEAT PUMPS	I.S. EN 14511-2:2018	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions
HEAT PUMPS	I.S. EN 14511-3:2018	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods
HEAT PUMPS	I.S. EN 14511-4:2018	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements
INFORMATION TECHNOLOGY EQUIPMENT AND AUDIO, VIDEO AND AUDIO-VISUAL EQUIPMENT AND SYSTEMS	I.S. EN 50174-2:2018	Information technology - Cabling installation - Part 2: Installation planning and practices inside buildings
LIFTS & ESCALATORS	I.S. EN 81-21:2018	Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 21: New passenger and goods passenger lifts in existing building

Sector Description	Reference	Title_NSAI
LIFTS & ESCALATORS	I.S. EN 81-28:2018	Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts
LIFTS & ESCALATORS	I.S. EN 81-58:2018	Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test
LIFTS & ESCALATORS	I.S. EN 81-70:2018	Safety rules for the construction and installation of lifts - Particular applications for passenger and goods passenger lift - Part 70: Accessibility to lifts for persons including persons with disability
LIFTS & ESCALATORS	I.S. EN 81-71:2018	Safety rules for the construction and installation of lifts - Particular applications to passenger lifts and goods passenger lifts - Part 71: Vandal resistant lifts
LIFTS & ESCALATORS	I.S. EN 81-77:2018	Safety rules for the construction and installations of lifts - Particular applications for passenger and goods passenger lifts - Part 77: Lifts subject to seismic conditions
LIFTS & ESCALATORS	I.S. EN 16719:2018	Transport platforms
LIGHTING EQUIPMENT AND LIGHTING APPLICATION TECHNOLOGY	I.S. EN 12193:2018	Light and lighting - Sports lighting
LIGHTING EQUIPMENT AND LIGHTING APPLICATION TECHNOLOGY	I.S. EN 12665:2018	Light and lighting - Basic terms and criteria for specifying lighting requirements
LIGHTING EQUIPMENT AND LIGHTING APPLICATION TECHNOLOGY	I.S. EN 13032-5:2018	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 5: Presentation of data for luminaires used for road lighting
LIGHTNING PROTECTION	I.S. EN IEC 62561-2:2018	Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes
LIGHTNING PROTECTION	I.S. EN IEC 62561-6:2018	Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC)
LIGHTNING PROTECTION	I.S. EN IEC 62561-7:2018	Lightning protection system components (LPSC) - Part 7: Requirements for earthing enhancing compounds
LIGHTNING PROTECTION	I.S. EN IEC 62793:2018	Protection against lightning - Thunderstorm warning systems

Sector Description	Reference	Title_NSAI
MASONRY	I.S. EN 16954:2018	Agglomerated stone - Slabs and cut-to-size products for flooring and stairs (internal and external)
MEASURING INSTRUMENTS	I.S. EN 12261:2018	Gas meters - Turbine gas meters
MEASURING INSTRUMENTS	I.S. EN 12405-1:2018	Gas meters - Conversion devices - Part 1: Volume conversion
MEASURING INSTRUMENTS	I.S. EN 12480:2018	Gas meters - Rotary displacement gas meters
MEASURING INSTRUMENTS	I.S. EN 13757-2:2018	Communication systems for meters - Part 2: Wired M-Bus communication
MEASURING INSTRUMENTS	I.S. EN 13757-3:2018	Communication systems for meters - Part 3: Application protocols
MEASURING INSTRUMENTS	I.S. EN 14236:2018	Ultrasonic domestic gas meters
MEASURING INSTRUMENTS	S.R. CEN/TR 17167:2018	Communication system for meters - Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information
METAL STRUCTURES	I.S. EN 1090-2:2018	Execution of steel structures and aluminium structures - Part 2: Technical requirements for steel structures
METAL STRUCTURES	I.S. EN 1090-4:2018	Execution of steel structures and aluminium structures - Part 4: Technical requirements for cold-formed structural steel elements and cold-formed structures for roof, ceiling, floor and wall applications
NON-ELECTRIC COOKERS AND BARBECUES	I.S. EN 16510-1:2018	Residential solid fuel burning appliances - Part 1: General requirements and test methods
PAINTS AND RELATED PRODUCTS	I.S. EN ISO 12944-1:2017	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 1: General introduction (ISO 12944-1:2017)
PAINTS AND RELATED PRODUCTS	I.S. EN ISO 12944-2:2017	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 2: Classification of environments (ISO 12944-2:2017)
PAINTS AND RELATED PRODUCTS	I.S. EN ISO 12944-3:2017	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 3: Design considerations (ISO 12944-3:2017)

Sector Description	Reference	Title_NSAI
PAINTS AND RELATED PRODUCTS	I.S. EN ISO 12944-4:2017	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 4: Types of surface and surface preparation (ISO 12944-4:2017)
PETROLEUM PRODUCTS	I.S. EN 1431:2018	Bitumen and bituminous binders - Determination of residual binder and oil distillate from bitumen emulsions by distillation
PETROLEUM PRODUCTS	I.S. EN 13302:2018	Bitumen and bituminous binders - Determination of dynamic viscosity of bituminous binder using a rotating spindle apparatus
PETROLEUM PRODUCTS	I.S. EN 13589:2018	Bitumen and bituminous binders - Determination of the tensile properties of modified bitumen by the force ductility method
PETROLEUM PRODUCTS	I.S. EN 13702:2018	Bitumen and bituminous binders - Determination of dynamic viscosity of bitumen and bituminous binders by the cone and plate method
PLASTICS PIPES	I.S. EN 1852-1:2018	Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene (PP) - Part 1: Specifications for pipes, fittings and the system
PLASTICS PIPES	I.S. EN 13476-1:2018	Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 1: General requirements and performance characteristics
PLASTICS PIPES	I.S. EN 13476-2:2018	Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A
PLASTICS PIPES	I.S. EN 13476-3:2018	Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B
PLASTICS PIPES	I.S. EN ISO 11296-1:2018	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2018)
PLASTICS PIPES	I.S. EN ISO 11296-2:2018	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 2: Lining with continuous pipes (ISO 11296-2:2018)
PLASTICS PIPES	I.S. EN ISO 11296-3:2018	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 3: Lining with close-fit pipes (ISO 11296-3:2018)
PLASTICS PIPES	I.S. EN ISO 11296-4:2018	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes (ISO 11296-4:2018)

Sector Description	Reference	Title_NSAI
PLASTICS PIPES	I.S. EN ISO 11297-1:2018	Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 1: General (ISO 11297-1:2018)
PLASTICS PIPES	I.S. EN ISO 11297-2:2018	Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 2: Lining with continuous pipes (ISO 11297-2:2018)
PLASTICS PIPES	I.S. EN ISO 11297-3:2018	Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 3: Lining with close-fit pipes (ISO 11297-3:2018)
PLASTICS PIPES	I.S. EN ISO 11297-4:2018	Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 4: Lining with cured-in-place pipes (ISO 11297-4:2018)
PLASTICS PIPES	I.S. EN ISO 11298-1:2018	Plastics piping systems for renovation of underground water supply networks - Part 1: General (ISO 11298-1:2018)
PLASTICS PIPES	I.S. EN ISO 11298-2:2018	Plastics piping systems for renovation of underground water supply networks - Part 2: Lining with continuous pipes (ISO 11298-2:2018)
PLASTICS PIPES	I.S. EN ISO 11298-3:2018	Plastics piping systems for renovation of underground water supply networks - Part 3: Lining with close-fit pipes (ISO 11298-3:2018)
PLASTICS PIPES	I.S. EN ISO 13056:2018	Plastics piping systems - Pressure systems for hot and cold water - Test method for leaktightness under vacuum (ISO 13056:2011)
PLASTICS PIPES	I.S. EN ISO 13259:2018	Thermoplastics piping systems for underground non-pressure applications - Test method for leaktightness of elastomeric sealing ring type joints (ISO 13259:2018)
PLASTICS PIPES	I.S. EN ISO 15874-2:2013/A1:2018	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes - Amendment 1 (ISO 15874-2:2013/Amd 1:2018)
PLASTICS PIPES	I.S. EN ISO 15874-3:2013/A1:2018	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings - Amendment 1 (ISO 15874-3:2013/Amd 1:2018)
PLASTICS PIPES	I.S. EN ISO 15874-5:2013/A1:2018	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 5: Fitness for purpose of the system - Amendment 1 (ISO 15874-5:2013/Amd 1:2018)
PLASTICS PIPES	I.S. EN ISO 21225-1:2018	Plastics piping systems for the trenchless replacement of underground pipeline networks - Part 1: Replacement on the line by pipe bursting and pipe extraction (ISO 21225-1:2018)
PLASTICS PIPES	I.S. EN ISO 21225-2:2018	Plastics piping systems for the trenchless replacement of underground pipeline networks - Part 2: Replacement off the line by horizontal directional drilling and impact moling (ISO 21225-2:2018)

Sector Description	Reference	Title_NSAI
PLASTICS PIPES	S.R. CEN/TS 1329-2:2018	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Guidance for the assessment of conformity
PRECAST CONCRETE PRODUCTS	I.S. EN 13369:2018	Common rules for precast concrete products
ROAD BUILDING AND MAINTENANCE	I.S. EN 12274-1:2018	Slurry surfacing - Test methods - Part 1: Sampling of slurry surfacing mixture
ROAD BUILDING AND MAINTENANCE	I.S. EN 12274-2:2018	Slurry surfacing - Test methods - Part 2: Determination of residual binder content including preparation of samples
ROAD BUILDING AND MAINTENANCE	I.S. EN 12274-3:2018	Slurry surfacing - Test methods - Part 3: Consistency
ROAD BUILDING AND MAINTENANCE	I.S. EN 12274-4:2018	Slurry surfacing - Test methods - Part 4: Determination of cohesion of the mix
ROAD BUILDING AND MAINTENANCE	I.S. EN 12274-5:2018	Slurry surfacing - Test method - Part 5: Determination of the minimum binder content and wearing resistance
ROAD BUILDING AND MAINTENANCE	I.S. EN 12274-6:2018	Slurry surfacing - Test methods - Part 6: Rate of application
ROAD BUILDING AND MAINTENANCE	I.S. EN 12697-12:2018	Bituminous mixtures - Test methods - Part 12: Determination of the water sensitivity of bituminous specimens
ROAD BUILDING AND MAINTENANCE	I.S. EN 12697-24:2018	Bituminous mixtures - Test methods - Part 24: Resistance to fatigue
ROAD BUILDING AND MAINTENANCE	I.S. EN 12697-26:2018	Bituminous mixtures - Test methods - Part 26: Stiffness
ROAD BUILDING AND MAINTENANCE	I.S. EN 13285:2018	Unbound mixtures - Specifications
ROAD BUILDING AND MAINTENANCE	I.S. EN 13880-10:2018	Hot applied joint sealants - Part 10: Test method for the determination of adhesion and cohesion following continuous extension and compression
ROAD BUILDING AND MAINTENANCE	I.S. EN 13880-13:2018	Hot applied joint sealants - Part 13: Test method for the determination of the discontinuous extension (adherence test)

Sector Description	Reference	Title_NSAI
ROAD BUILDING AND MAINTENANCE	S.R. CEN/TS 12697-50:2018	Bituminous mixtures - Test methods - Part 50: Resistance to scuffing
ROAD SAFETY	I.S. EN 1436:2018	Road marking materials - Road marking performance for road users and test methods
ROAD SAFETY	I.S. EN 1793-2:2018	Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 2: Intrinsic characteristics of airborne sound insulation under diffuse sound field conditions
ROAD SAFETY	I.S. EN 1793-6:2018	Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 6: Intrinsic characteristics - In situ values of airborne sound insulation under direct sound field conditions
ROAD SAFETY	I.S. EN 1794-1:2018	Road traffic noise reducing devices - Non-acoustic performance - Part 1: Mechanical performance and stability requirements
SANITARY APPLIANCES	I.S. EN 997:2018	WC pans and WC suites with integral trap
SANITARY APPLIANCES	I.S. EN 14055:2018	WC and urinal flushing cisterns
SANITARY APPLIANCES	S.R. CEN/TR 17221:2018	Guidance on the application of CE marking and preparation of Declaration of Performance for sanitary appliances
SOLAR ENERGY	I.S. EN 12977-1:2018	Thermal solar systems and components - Custom built systems - Part 1: General requirements for solar water heaters and combisystems
SOLAR ENERGY	I.S. EN 12977-2:2018	Thermal solar systems and components - Custom built systems - Part 2: Test methods for solar water heaters and combisystems
SOLAR ENERGY	I.S. EN 12977-3:2018	Thermal solar systems and components - Custom built systems - Part 3: Performance test methods for solar water heater stores
SOLAR ENERGY	I.S. EN 12977-4:2018	Thermal solar systems and components - Custom built systems - Part 4: Performance test methods for solar combistores
STRUCTURES	I.S. EN 1992-4:2018	Eurocode 2 - Design of concrete structures - Part 4: Design of fastenings for use in concrete
STRUCTURES	I.S. EN 15129:2018	Anti-seismic devices

Sector Description	Reference	Title_NSAI
STRUCTURES	S.R. CEN/TR 17079:2018	Design of fastenings for use in concrete - Redundant non-structural systems
STRUCTURES	S.R. CEN/TR 17080:2018	Design of fastenings for use in concrete - Anchor channels - Supplementary rules
STRUCTURES	S.R. CEN/TR 17081:2018	Design of fastenings for use in concrete - Plastic design of fastenings with headed and post-installed fasteners
STRUCTURES	S.R. CEN/TR 17231:2018	Eurocode 1: Actions on Structures - Traffic Loads on Bridges - Track-Bridge Interaction
SURFACE TRANSPORT ELECTROTECHNICAL SYSTEMS	I.S. EN 50556:2018	Road traffic signal systems
TEXTILES	I.S. EN 13361:2018	Geosynthetic barriers - Characteristics required for use in the construction of reservoirs and dams
TEXTILES	I.S. EN 13362:2018	Geosynthetic Barriers - Characteristics required for use in the construction of canals
TEXTILES	I.S. EN 13491:2018	Geosynthetic barriers - Characteristics required for use in the construction of tunnels and associated underground structures
TEXTILES	I.S. EN 13492:2018	Geosynthetic barriers - Characteristics required for use in the construction of liquid waste disposal sites, transfer stations or secondary containment
TEXTILES	I.S. EN 13493:2018	Geosynthetic barriers - Characteristics required for use in the construction of solid waste storage and disposal sites
TEXTILES	I.S. EN 15382:2018	Geosynthetic barriers - Characteristics required for use in transportation infrastructure
TEXTILES	I.S. EN 16993:2018	Geosynthetic barriers - Characteristics required for use in the construction of storage lagoons, secondary containment (above and below ground) and other containment applications for chemicals, polluted water and produced liquids
TEXTILES	I.S. EN 16994:2018	Clay Geosynthetic Barriers - Characteristics required for use in the construction of underground structures (other than tunnels and associated structures)

Sector Description	Reference	Title_NSAI
THERMAL MATTERS	I.S. EN 13467:2018	Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation
THERMAL MATTERS	I.S. EN 13497:2018	Thermal insulation products for building applications - Determination of the resistance to impact of external thermal insulation composite systems (ETICS)
THERMAL MATTERS	I.S. EN 14064-1:2018	Thermal insulation products for buildings - In-situ formed loose-fill mineral wool (MW) products - Part 1: Specification for the loose-fill products before installation
THERMAL MATTERS	I.S. EN 17101:2018	Thermal insulation products for buildings - Methods of identification and test methods for one-component PU adhesive foam for External Thermal Insulation Composite Systems (ETICS)
TRAM- AND RAILWAY ENGINEERING	I.S. EN 13231-5:2018	Railway applications - Track - Acceptance of works - Part 5: Procedures for rail reprofiling in plain line, switches, crossings and expansion devices
TRAM- AND RAILWAY ENGINEERING	I.S. EN 14587-1:2018	Railway applications - Infrastructure - Flash butt welding of new rails - Part 1: R220, R260, R260Mn, R320Cr, R350HT, R350LHT, R370CrHT and R400HT grade rails in a fixed plant
TRAM- AND RAILWAY ENGINEERING	I.S. EN 16727-1:2018	Railway applications - Track - Noise barriers and related devices acting on airborne sound propagation - Non-acoustic performance - Part 1: Mechanical performance under static loadings - Calculation and test method
TRAM- AND RAILWAY ENGINEERING	I.S. EN 16727-2-1:2018	Railway applications - Track - Noise barriers and related devices acting on airborne sound propagation - Non-acoustic performance - Part 2-1: Mechanical performance under dynamic loadings due to passing trains - Resistance to fatigue
TRAM- AND RAILWAY ENGINEERING	I.S. EN 16729-3:2018	Railway applications - Infrastructure - Non-destructive testing on rails in track - Part 3: Requirements for identifying internal and surface rail defects
TRAM- AND RAILWAY ENGINEERING	I.S. EN 16951-1:2018	Railway applications - Track - Noise barriers and related devices acting on airborne sound propagation - Procedures for assessing long term performance - Part 1: Acoustic characteristics
TRAM- AND RAILWAY ENGINEERING	I.S. EN 16951-2:2018	Railway applications - Track - Noise barriers and related devices acting on airborne sound propagation - Procedures for assessing long term performance - Part 2: Non-acoustic characteristics
WATERPROOFING MATERIALS	I.S. EN 12691:2018	Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of resistance to impact

Sector Description	Reference	Title_NSAI
WATERPROOFING MATERIALS	I.S. EN 17190:2018	Flexible sheets for waterproofing - Solar Reflectance Index
KEY:		
I.S.	Irish Standard	
I.S. EN	Irish Standard - NSAI adopted European Norm	
I.S. EN ISO	Irish Standard - ISO (International Standards Organisation) standard adopted by CEN as a European Norm adopted by NSAI	
I.S. EN IEC	Irish Standard – IEC (International Electrotechnical Commission) standard adopted by CEN as a European Norm adopted by NSAI	
S.R.	Standard Recommendation	
S.R. CEN/TS	CEN Technical Specification adopted by NSAI as a Standard Recommendation	
S.R. CEN/TR	CEN Technical Report adopted by NSAI as a Standard Recommendation	