



NSAI

ANNUAL REPORT 2021

**NSAI TECHNICAL COMMITTEE
TC 31 – BUILDING SERVICES**

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1 Introduction

The NSAI Building Services Committee (TC 031) is primarily a project committee responsible for the publication of Irish standard recommendations relating to building services. Additionally, TC 031 also acts as the Irish national mirror committee to CEN/TC 57 and CEN/TC 228.

In 2021, TC 031 published the following Standard recommendation;

- S.R. 50-1:2021 *Building services - Code of Practice - Part 1: Water based heating systems in dwellings.*

In addition, the committee structure includes 6 subcommittees, 2 of which are responsible for further Standard Recommendations published in 2021 as follows;

- S.R. 50-4:2021 *Building services - Code of Practice - Part 4: Heat pump systems in dwellings*
- S.R. 55:2021 - *Solar photovoltaic micro-generators for dwellings - design, installation, commissioning and maintenance*

S.R. 50-4 and S.R. 55 directly or indirectly support actions specified in the Irish Governments 2019 Climate Action plan.

2 Scope of TC

The industry currently has 3 experts involved in international work

The scope of TC 031 is as follows;

Responsible for S.R 50-1 for heating systems in buildings and monitoring CEN/TC 228. Standardisation of functional requirements for all types of heating systems, including domestic hot water production, water-based cooling emission and distribution systems in buildings and power generation systems in the direct environment of the building. Furthermore standardisation in relation to energy performance of buildings.

The committee and its subcommittees mirror the following international committees:

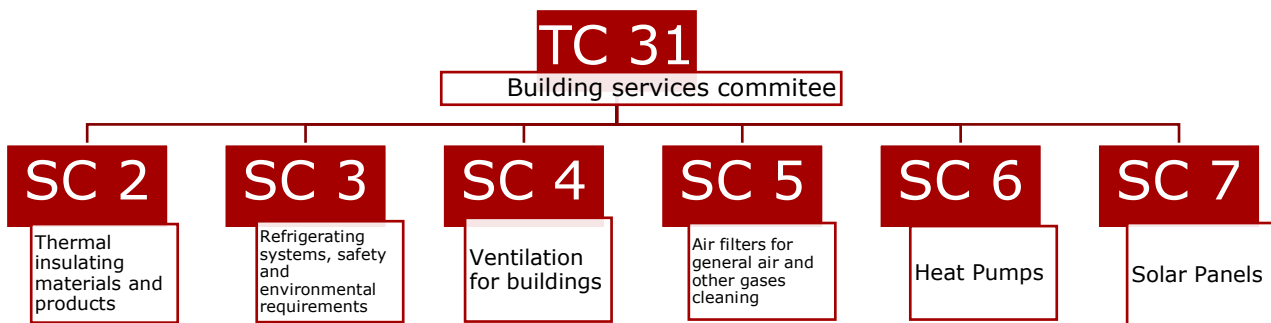
NSAI Committee Name	NSAI Committee Title	ISO/CEN Committee name	Committee Title
TC 31	Building Services Committee	CEN/TC 228	Heating systems and water-based cooling systems in buildings
TC 31	Building Services Committee	CEN/TC 57	Central heating boilers
TC 31/SC 2	Thermal insulating materials and products	CEN/TC 88	Thermal insulating materials and products
TC 31/SC 3	Refrigerating systems, safety and environmental requirements	CEN/TC 182	Refrigerating systems, safety and environmental requirements
TC 31/SC 4	Ventilation for buildings	CEN/TC 156	Ventilation for buildings
TC 31/SC 5	Air filters for general air and	CEN/TC 195	Cleaning equipment for air and other gases

	other gases cleaning		
TC 31/SC 5	Air filters for general air and other gases cleaning	ISO/TC 142	Cleaning equipment for air and other gases

3 Structure and Membership

3.1 Structure

The Figure below illustrates the structure of the Committee:



3.2 Members

The list below are the members of TC 031 for the year:

Organisation	Role
SEAI	Chairperson
NSAI	Committee Secretary
DHLGH	Committee member
TU Dublin	Committee member
Sanbra Fyffe	Committee member
Sanbra Fyffe	Committee member
RGII	Committee member
Grant Engineering	Committee member
Pipelife	Committee member
Waterford Stanley	Committee member
Heat Merchants	Committee member
Calor Gas	Committee member
Pipelife	Committee member
Grundfos	Committee member

CDETB	Committee member
KS Energy	Committee member
Joule	Committee member
NRG Awareness	Committee member
Greentherm	Committee member
Waterford Stanley	Committee member
Homebond	Committee member
Hevac	Committee member

Note: Independent members are not listed

4 Summary of 2021 Activities

4.1 National

4.1.1 Meetings

TC 031 did not meet in 2021.

4.1.2 National Work

TC 031, SC 6, and SC 7 each published a deliverable in 2021. The remaining subcommittees function as eCommittees only, and do not produce deliverables.

4.1.2.1 TC 031 – Building Services committee

TC 031 completed drafting of S.R. 50-1: 2021 in Q4 2020. In 2021 NSAI published the standard recommendation. No further work took place in 2021.

4.1.2.2 SC 6 – Heat Pumps

TC 031/SC 6 completed drafting of S.R. 50-4: 2021 in Q4 2020. In 2021 NSAI published the standard recommendation. No further work took place in 2021.

4.1.2.3 - SC 7 – Solar Panels

TC 031/SC7 convened regularly in 2021 and successfully completed the drafting of S.R. 55:2021 - *Solar photo voltaic micro-generators for dwellings – design, installation, commissioning and maintenance*. This document was published in Q4 2021 and helps fulfil NSAI’s obligation for Action 138 of the Government’s Climate action Plan 2021.

4.2 International/Regional

4.2.1 Meetings

Committee members attended CEN meetings as follows:

Committee Name	Date	No. of Attendees
CEN/TC 228/WG 1	01 September	1
CEN/TC 228/WG 1/TF 1	04 October	1
CEN/TC 228/WG 1	29 October	1
CEN/TC 228/AdHoc Group	15 November	1

4.2.2 International/Regional Standards Reviewed

TC 031 did not review and international/regional standards in 2021.

4.2.3 International/Regional Voting Results

TC 031 and its subcommittees advised NSAI on the following ballots that closed in 2021

Committee	Reference	Ballot type	Decision
CEN/TC 57	prEN 17692	CEN Enquiry	Approve
CEN/TC 228	FprEN ISO 11855-1	CEN FV	Approve
CEN/TC 228	FprEN ISO 11855-3	CEN FV	Approve
CEN/TC 228	FprEN ISO 11855-2	CEN FV	Abstain
CEN/TC 228	prEN 17671	CEN Enquiry	Approve
CEN/TC 88	EN 14309	CEN SR	Withdraw
CEN/TC 88	Decision 885c: Nomination of new CEN/TC 351 liaison officer	CEN CIB	Approve
CEN/TC 88	prEN ISO 29766	CEN Enquiry	Approve
CEN/TC 88	prEN ISO 29768	CEN Enquiry	Approve
CEN/TC 88	EN 13163:2012+A2:2016	CEN SR	Confirm
CEN/TC 88	Draft Decision 886c/2021 – NWIP for restarted EN ISO 18393-1	CEN NWI	Abstain
CEN/TC 88	EN 13614:2012+A1:2015	CEN SR	Confirm
CEN/TC 88	EN 14934:2007	CEN SR	Revise
CEN/TC 182	FprEN ISO 21922	CEN FV	Approve
CEN/TC 182	prEN ISO 24664	CEN Enquiry	Approve
CEN/TC 182	CEN/TC 182 N 2262 - CIB on draft decision C728/2021	CEN CIB	Approve
CEN/TC 182	CEN/TC 182 N 2271 - CIB on draft decision C729/2021	CEN PWI	Approve
CEN/TC 182	CEN/TC 182 N 2273 - CIB on draft decision C730/2021	CEN PWI	Approve
CEN/TC 195	prEN ISO 29461-1	Cen Enquiry	Approve
CEN/TC 195	Draft Decision N 1/2021 - Adoption of ISO/NP 29461-3	CEN NWI	Approve
CEN/TC 195	Draft Decision N 2/2021 - Adoption of ISO/NP 29461-4	CEN NWI	Approve
CEN/TC 195	Draft Decision N 3/2021 - Adoption of ISO/NP 29461-7	CEN NWI	Approve
CEN/TC 195	Draft Decision N 4/2021 - Skipping FV for prEN ISO 29461-1	CEN CIB	Approve
CEN/TC 195	prEN ISO 29463-5	CEN Enquiry	Approve
CEN/TC 195	prEN ISO 10121-3	CEN Enquiry	Approve
CEN/TC 195	prEN ISO 29461-7	CEN Enquiry	Approve
CEN/TC 195	FprEN 15805	Cen FV	Approve
ISO/TC 142	ISO/DIS 29461-1 (Ed 2)	ISO DIS	Approve
ISO/TC 142	Draft Resolution N 241 - Re-appointment of WG 1 convener	ISO CIB	Approve
ISO/TC 142	Draft Resolution N 241 - Re-appointment of WG 4 convener	ISO CIB	Approve
ISO/TC 142	Draft Resolution N 241 - Re-appointment of WG 8 convener	ISO CIB	Approve
ISO/TC 142	Draft Resolution N 241 - Re-appointment of WG 9 convener	ISO CIB	Approve
ISO/TC 142	Draft Resolution N 241 - Re-appointment of WG 10 convener	ISO CIB	Approve
ISO/TC 142	Draft Resolution N 241 - Re-appointment of WG 11 convener	ISO CIB	Approve

ISO/TC 142	Draft Resolution N 241 - Re-appointment of WG 12 convenor	ISO CIB	Approve
ISO/TC 142	Draft Resolution N 257 - Appointment of new convenor of WG 7	ISO CIB	Approve
ISO/TC 142	ISO/PWI 29461-4	ISO NP	Approve
ISO/TC 142	Draft Resolution N 258 - Revision of ISO 29464:2017	ISO CIB	Approve
ISO/TC 142	Draft Resolution N 260 - Establish of A-liaison with IUVA	ISO CIB	Abstain
ISO/TC 142	ISO/PWI 23742	ISO NP	Approve
ISO/TC 142	Draft Resolution N 259 - Revision of ISO 16890-3:2016	ISO CIB	Approve
ISO/TC 142	ISO 15957:2015 (vers 2)	ISO SR	Confirm
ISO/TC 142	ISO 16891:2016	ISO SR	Confirm
ISO/TC 142	ISO/DIS 29463-5 (Ed 2)	ISO DIS	Approve
ISO/TC 142	ISO/DIS 10121-3	ISO DIS	Approve
ISO/TC 142	ISO 16170:2016	ISO SR	Confirm
ISO/TC 142	ISO/NP 63086-2-2	ISO NP	Approve
ISO/TC 142	ISO/NP 63086-2-5	ISO NP	Approve
ISO/TC 142	ISO/CD 23139	ISO CD	Abstain
ISO/TC 142	IEC/CD 63086-2-1	ISO CD	Approve
ISO/TC 142	ISO/DIS 29461-7	ISO DIS	Approve
ISO/TC 142	ISO/PWI 16313-2	ISO NP	Approve

4.3 Regulatory Development/Update

A proposal for the revision of the Energy Performance of Buildings Directive (EPBD) of the European Union was published by the European commission in December of 2021. Going forward in to 2022 and beyond, this will likely be reflected in the work programmes of the various committees monitored by TC 031 and its subcommittees.

5 Irish Publications/Reviews

5.1 Publications

The Committee and its subcommittees published the following deliverables in 2021

- S.R. 50-1:2021 *Building services - Code of Practice - Part 1: Water based heating systems in dwellings.*
- S.R. 50-4:2021 *Building services - Code of Practice - Part 4: Heat pump systems in dwellings*
- S.R. 55:2021 - *Solar photovoltaic micro-generators for dwellings - design, installation, commissioning and maintenance*

A further publication in the S.R. 50 series was published in 2021 by the NSAI Water Supply Standards committee, TC 010.

- S.R. 50-3:2021 *Building services — Code of practice — Part 3: Water supply for domestic use within dwellings and their curtilages*

5.2 Reviews

The Committee did not conduct any reviews of Irish national deliverables in 2021.

6 Work programme for 2022 onwards

TC 031 and its subcommittees, where acting as National mirror committees will continue to contribute to the work of International and Regional standards committees through balloting and commenting.

TC 031/SC 7 – Solar Panels will undertake a review of S.R. 50-2:2012 - *Building services - Code of practice - Thermal solar systems*

A review of TC 031 will take place in 2022, the outcome of which may result in a restructuring of the committee.