ANNUAL REPORT 2024

NSAI TECHNICAL COMMITTEES (NSAI/ETC/TC 06 “EQUIPMENT FOR POTENTIALLY EXPLOSIVE ATMOSPHERES “)

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1 Chair Statement

Chair of NSAI/ETC/TC 06:

The NSAI/ETC/TC 06 committee held four full meetings virtually during 2024. A further three remote meetings were held by the NSAI/ETC/TC 06/SC 01 sub-committee for non-electrical equipment in potentially explosive atmospheres together with the various working groups for the "ATEX Delivery Guide" – (Health and Safety Authority.). The members of NSAI/ETC/TC 06/SC 01 sub-committee and the working groups of the "ATEX Delivery Guide" have contributed a great deal of time and effort and are to be congratulated for their achievements to date.

The work of IEC/TC 31/SC 31J/MT60079-14 (one of NSAI/ETC/TC 06 areas of primary focus) is completed following the publication of IEC 60079-14 Ed.6 2024.

The primary focus of the committee is on IEC/TC 31/SC 31J/ MT60079-19, IEC/TC 31/PT 60079-44 and CLC TC31/WG 23 with secondary focus on other (Maintenance Teams) MTs and (Project Teams) PTs, as listed below.

NSAI/ETC/TC06 meetings were attended by a number of International Experts during 2024 who gave very informative presentations which will be of great benefit to the various Work Groups going forward including:

- Dr. Ali Ekhtiari the NSAI Hydrogen Expert gave a presentation on Hydrogen in the Future Energy System: Progressing into Hydrogen Standard.
- Sean Passant from DEHN gave a presentation on Lightening as a source of ignition, EX zones & Lightning Hazards.
- Damien Gwardecki from Newson Gale who gave a presentation in relation to Static Hazards and pertaining Standards.

Several Work Groups completed their work during 2024 as listed in 5.1 below with other Work Groups formed in 2024. The work of these groups will continue during 2025, and the contribution of the committee members is greatly appreciated. The membership of NSAI/ETC/TC 06 increased in 2024 and the number of members participating in the work of the committee continues to increase.

Again, none of the NSAI/ETC/TC 06 committee's achievements during 2024 would have been possible without the expert guidance of our secretary Amanda-Jane Gainford who, by her advice and professionalism, has provided the motivation for even more accomplishments in 2025.

Michael O'Brien. (Chair of NSAI ETC TC 06.)

Chair of NSAI/ETC/TC 06/SC01:

As in 2023, NSAI/ETC/TC 06/SC 01 has held three virtual meetings during 2024. The membership and engagement of the members of NSAI/ETC/TC 06/SC 01 continues to a high standard as we contribute across various areas and actively participate not just in the work of the sub-committee but also the different Working and Ad-Hoc Groups in TC305.

TC305 continues to be a very active Technical Committee with all Working Groups contributing a number of new Standards and Technical Reports for the SC to review this year. 2024 also saw the addition of another Working Group, WG8, which will study the pressure effects of gas phase detonations in pipes and vessels. While not a new topic, this area will become increasingly important in the coming years as hydrogen becomes a larger part of our energy needs. The green energy transition is well underway and TC305 is anticipating future needs in the areas of hydrogen, ammonia and other natural gas substitutes.

Thanks, as always, goes to Amanda-Jane Gainford who continues to shepherd us through our work. Special thanks as well goes to Jonathan Quigley for helping the group out at the start of the year.

Damien Hennessy (Chair of NSAI ETC TC 06 SC 01.)

2 Introduction

The standardization work of NSAI/ETC/TC 06 supports the ATEX Directive 2014/34/EU concerning equipment and protective systems intended for use in potentially explosive atmospheres and ATEX Directive 1999/92/EC on minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres.

Improved safety in environments where explosive atmospheres may occur is of primary concern but there is also need for uniform operational practices in these areas to promote free trade and economic development.

The apparatus covered by this Technical Committee is used primarily by the oil, gas, chemical, pharmaceutical, food, plastics, grain, mining and coal industries during production, storage, processing, transportation, distribution and use of the products associated with these industries.

3 Scope of TC

NSAI/ETC/TC 06 is responsible for coordinating the development of standards for equipment for use where there is a hazard due to the possible presence of explosive atmospheres of gases, vapors, mists, or combustible dusts. NSAI/ETC/TC 06 members are active participants in the international standards work of IEC/TC31 "Equipment for explosive atmospheres", which was established over 60 years ago, and CENELEC/TC 31. IEC and CENELEC standards cover the life cycle of equipment for use in potentially explosive atmospheres through design, manufacture, installation, maintenance, and repair. The area of potentially explosive atmospheres is subject to two EU Directives.

- Directive 2014/34/EU which covers equipment and protective systems intended for use in potentially explosive atmospheres and
- Directive 1999/92/EC which covers minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres.

The committee mirrors the following international committees:

Committee Name	Committee Title
IEC/TC 31	"Equipment for explosive atmospheres",
CLC/TC 31	"Electrical apparatus for potentially explosive atmospheres"

In Q1 2021 a sub-committee of NSAI/ETC/TC 06 was formed to look at Potentially explosive atmospheres in the nonelectrical area.

NSAI/ETC/TC 06/SC 01 supports the development of national and international standards in the areas of potentially explosive atmospheres & mirrors the work of CEN/TC 305.

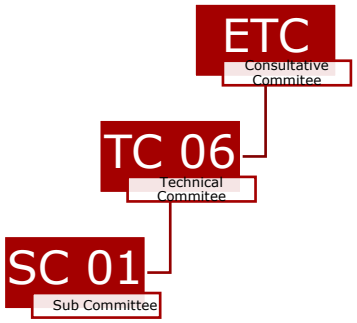
NSAI/ETC/TC 06/SC 01 mirrors the following international committees:

Committee Name	Committee Title
CEN/TC 305	Potentially explosive atmospheres - Explosion prevention and protection"

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Members

4.2.1 Members NSAI/ETC/TC 06

The members of the committee for 2024 are listed in the table below:

Organisation	Role
AECI	National committee member
Analog	National committee member
Aviva Insurance DAC	National committee member
Baker Hughes	National committee member
BMS	National committee member
Consultant	National committee member
Donal Keane Ltd	National committee member
ESB	National committee member
Ennis Bros.	National committee member
FM Approvals	National committee member
GE Vernona	National committee member
HSA	National committee member
Intel	National committee member
Jacobs Engineering Group	National committee member
Johnson & Johnson	National committee member
Jones Engineering	National chairperson
Jones Engineering	National committee member
NSAI	National secretary
Pfizer	National committee member
Project Management Group	National committee member
Tritech	National committee member

Sertec SRL	National committee member
SK biotek Ireland	National committee member
Sulzer	National committee member
Veolia Energy Services.	National committee member
Veritex	National observer
Ward and Burke Water Ltd	National committee member

4.2.2 Members NSAI/ETC/TC 06/SC 01

The members of the Sub-committee for 2024 are listed in the table below:

Organisation	Role
BS & B Innovation	**National chairperson**
BS & B Safety Systems Ltd	National committee member
Consultant	National committee member
ESB	National committee member
ESBI	National committee member
Explosion Hazards	National committee member
Jacobs Engineering Group Ltd	National committee member
Jones Engineering	National committee member
NSAI	**National secretary**
Occupli	National committee member
Veolia Energy Services.	National committee member
Ward and Burke Water Ltd	National committee member

5 Summary of 2024 Activities

5.1 National

NSAI ETC TC 06 Committee

The Committee met four times in 2024 using MS Teams meetings. Overall, the number of members participating in the work of the committee remains steady.

The working groups which were formed in 2022 and launched the webpage on the HSA website continued working towards populating this website further. ATEX Delivery Guide - Health and Safety Authority (hsa.ie). These working groups met on their own time to develop this work.

The committee agreed to continue this work and several groups were formed.

- WG 1: Functional Safety Group
- WG 2: Static Group
- WG 3: Earthing Group
- WG 4: Instrumentation Group - Work Complete
- WG 5: EPD Group – Work Complete
- WG 6: Inspection & Testing Group
- WG 7: S.I. 630:2019 & S.I. 631:2019 Group – Work Complete
- WG 8: Dust – Work Complete
- WG 9: Risk
- WG 10 Assemblies

WG 4, the instrumentation group were contributing to IEC 60079 Part 14 and Part 17. The group considered if National annexes were required for these parts and concluded that a national annex was not necessary. As Part 14 and Part 17 are now published this WG is dormant.

- IEC 60079-14: Explosive atmospheres - Part 14: Electrical installations design, selection and erection.
- IEC 60079-17: Explosive atmospheres - Part 17: Electrical installations inspection and maintenance.

WG 5, the EPD group have completed their work in 2022 however their work has still to be published on the HSA website. It is hoped that it will be published in 2025.

WG 7, the S.I. 630 & I.S. 631 group have finished their review in 2022. No updates required.

WG 8, the Dust group have completed their review in 2022 and the felt that dust is covered well in the EPD document, so no additional documentation is required.

Several of the committee members attended WG, PT and MT meetings throughout the year.

The primary focus of the committee is on IEC/TC 31/SC 31J/MT60079-14, MT60079-17 and MT60079-19 with secondary focus on other MTs and PTs.

WG 10, assemblies were established in May 2024 as IEC 60079-46 ED1 Explosive atmospheres - Part 46: Equipment assemblies, is currently under revision at IEC.

NSAI ETC TC 06 SC 01 Committee

The NSAI ETC TC 06 SC 01 Committee met 3 times in 2024. They continue to follow the work of CEN TC 305 and contribute actively to any documents open for vote and/or comment. Committee members attended several working group meetings throughout the year and the Chair travelled to Brussels for the CEN TC 305 Plenary meeting in September 2024.

5.1.1 Meetings

NSAI ETC TC 06 Committee

NSAI ETC TC 06 Committee members attended the following NSAI national meetings:

Meeting No.	Date	Minutes Reference
1	2024/02/23	N1044
2	2024/05/17	N1054
3	2024/09/13	N1067
4	2024/11/15	N1081

NSAI ETC TC 06 SC 01 Committee

NSAI ETC TC 06 SC 01 committee members attended the following NSAI national meetings:

Meeting No.	Date	Minutes Reference
1	2024/04/10	N0071
2	2024/09/03	N0077
3	2024/12/03	N0080

5.1.2 National Work

NSAI ETC TC 06 Committee

Michael O'Brien was re-appointed as the Chair of NSAI/ETC/TC 06 Committee on the 6th of May 2024 for a 3-year term. The committee had a presentation on the NSAI Hydrogen work status in September along with a presentation from DEHN on Lightening Protection. In November they had a presentation from Newson Gale on Statics. The WG working groups formed to generate content for the ATEX Guide met on their own time outside of NSAI. The NSAI dropbox on ISolutions is being used to coordinate this work. The committee are following the international work at IEC and CENELEC. The aim of the committee is to ensure Irish requirements are included in the international work and therefore no additional national work is required.

NSAI ETC TC 06 SC 01 Committee

Damien Hennessy was re-appointed as the Chair of NSAI/ETC/TC 06/SC 01 Committee on the 10th of April 2024 for a 3-year term. NSAI ETC TC 06 SC 01 Committee are following the international work in CEN/TC 305. The aim of the committee is to ensure Irish requirements are included in the international work and therefore no additional national work is required.

5.2 International/Regional

5.2.1 Meetings

NSAI ETC TC 06 Committee

Committee members attended international CENELEC (CLC) and IEC meetings.

Committee Name	Location	Date	Attendees
IEC/TC 31	Edinburgh	2024/10/23	1
IEC/TC 31/SC 31G	Edinburgh	2024/10/21	1
IEC/TC 31/SC 31J	Edinburgh	2024/10/21	1
IEC/TC 31/SC 31M	Edinburgh	2024/10/22	1
IEC/TC 31/SC 31G/MT 60079-11		Croatia	1
CLC/TC 31	Brussels	2024/09/11 to 2024/09/12	2
CLC/TC 31/WG 23			1
NSAI TC 74		2024/11/20	1

NSAI ETC TC 06 SC 01 Committee

NSAI ETC TC 06 SC 01 members attended international CEN virtually.

Committee Name	Date	Attendees
CEN TC 305 Plenary (#30th joined with 3rd below)	2024/09/12	
CEN/TC 305 and CLC/TC 31 Plenary	#3rd – 2024/09/12	1
CEN TC 305/WG 3	# 50th – 2024/02/02 # 51st – 2024/06/28 # 52nd – 2024/09/26 #53rd – 2024/11/27	1 1 1 1
CEN TC 305/WG 4	# 48th – #49th - # 50th – 2024-05-28 # 51st - 2024-08-29 # 52nd - # 53rd – 2024-12-06	
CEN TC 305/WG 6	2024/04/12 2024/05/02	1 1
CEN TC 305/WG 1		

5.2.2 International/Regional Work

Members of the committees attended maintenance teams and working group meetings.

5.2.3 International/Regional Standards Reviewed

NSAI ETC TC 06 Committee

The committee continue to review standards as they arise in IEC & CLC. The committee has been actively attending IEC & CLC meeting in relation to the IEC 60079 series, Explosive atmospheres. The committee break their work down into primary and secondary focus. There are members of the committee sitting on IEC & CLC committees which are both primary & secondary focus of the national committee.

This is the primary focus list:

- TC 31/PT 60079-44 Explosive atmospheres - Personal Competence
- TC 31/SC31J/MT 60079-14 Maintenance of IEC 60079-14: Explosive atmospheres - Part 14: Electrical installations design, selection and errection
- TC 31/SC31J/MT 60079-17 Maintenance of IEC 60079-17: Explosive atmospheres - Part 17: Electrical installations inspection and maintenance
- TC 31/SC31J/MT 60079-19 Maintenance of IEC 60079-19: Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation
- CLC TC 31/WG 23 Marking

This secondary focus list:

IEC/TC 31/MT 60079-29	Maintenance of IEC 60079-29 series Gas Detectors
IEC/TC 31/MT60079-1	Maintenance of IEC 60079-1 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC/TC 31/MT60079-33	Maintenance of IEC 60079-33 Explosive atmospheres - Part 33: Equipment protection by special protection 's'
IEC/TC 31/WG 22	Responsible for MT 60079-0, maintenance of IEV 60050.426 and other specific tasks assigned by TC 31
IEC/TC 31/WG 39	Adverse Service Conditions
IEC/TC 31/WG 47	EPL Gc equipment
IEC/TC 31/WG 46	Equipment assemblies
IEC/TC 31 /SC 31 G/MT 60079-11	Maintenance of IEC 60079-11 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC/TC 31 /SC 31 J/MT 60079-10-1	Maintenance of IEC 60079-10-1 Ed. 1.0: Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres
IEC/TC 31 /SC 31 M/MT 80079-34	ISO/IEC 80079-34 Ed. 1.0: Explosive atmospheres - Application of quality systems for electrical and non-electrical equipment
IEC/TC 31 /SC 31 M/MT 80079-38	ISO/IEC 80079-38 Explosive Atmospheres - Part 38: Equipment and components in
IEC/TC 31 /SC 31 M/WG 1	Non-electrical equipment
IEC TC 31 WG 42	Safety device related to explosion risk

NSAI ETC TC 06 SC 01 Committee

The primary focus for NSAI/ETC/TC 06/SC 01 is as follows:

CEN/TC 305	Potentially explosive atmospheres - Explosion prevention and protection
CEN/TC 305/WG 3	Devices and systems for explosion prevention and protection
CEN/TC 305/WG 4	Terminology and methodology
CEN/TC 305/WG 6	Flame arresters
CEN/TC 305/WG 1	Test methods for determining the flammability characteristics of substances

5.2.4 International/Regional Voting Results

NSAI ETC TC 06 Committee

NSAI/ETC/TC 06 vote on all documents at IEC and CENELEC documents using a default voting strategy. The committee have actively voted on 42 documents in 2024 and have submitted 4 sets of comments.

Active votes were broken down into 30 IEC documents & 12 CENELEC documents.

IEC/TC 31: Ireland has actively voted 16 times in 2024 and submitted 3 sets of comments.

IEC/TC 31G: Ireland has actively voted 4 times in 2024.

IEC/TC 31M: Ireland has actively voted 4 times in 2024.

IEC/TC 31J: Ireland has actively voted 6 times in 2024.

CLC/TC 31: Ireland has actively voted 12 time in 2024 and submitted 1 sets of comments.

Body	Vote Reference	Comments Submitted	Decision	WIID
IEC	31/1748/CDV	No	Abstain	
IEC	31/1757/CD	No	No Comment	
IEC	31/1758/CD	No	No Comment	
IEC	31/1763/CDV	No	Abstain	
IEC	31/1764/CDV	No	Abstain	
IEC	31/1772/Q	Yes	Approved	
IEC	31/1776/CDV	No	Abstain	
IEC	31/1781/CDV	No	Abstain	
IEC	31/1784/CDV	No	Abstain	
IEC	31/1788/DC	Yes	Comments	
IEC	31/1793/CDV	No	Abstain	
IEC	31/1794/Q	No	No Comment	
IEC	31/1797/CDV	Yes	Disapprove	
IEC	31/1802/Q	No	No Comment	
IEC	31/1831/CD	No	No Comment	

IEC	31/1838/CD	No	No Comment	
IEC	31G/385/CD	No	No Comment	
IEC	31G/402/Q	No	No Comment	
IEC	31G/412/DC	No	No Comment	
IEC	31G/413/DC	No	No Comment	
IEC	31J/355/CD	No	No Comment	
IEC	31J/361/CD	No	No Comment	
IEC	31J/363/CDV	No	Abstain	
IEC	31J/366/FDIS	No	In Favour	
IEC	31J/370/Q	No	No Comment	
IEC	31J/373/CD	No	No Comment	
IEC	31M/225/CD	No	No Comment	
IEC	31M/227/DC	No	No Comment	
IEC	31M/228/DC	No	No Comment	
IEC	31M/229/Q	No	No Comment	
CLC	EN 60079-5:2015/prA1:2021/prAA	No	No Comment	80795
CLC	EN 60079-6:2015/FprA1:2019/prAA	No	No Comment	80796
CLC	FprEN IEC 60079-11:2022/prAA	No	No Comment	80794
CLC	FprEN IEC 60079-14:2024	No	In Favour	71031
CLC	prEN IEC 60079-0:2024	No	Abstain	74981
CLC	prEN IEC 60079-18:2024	No	Abstain	77106
CLC	prEN IEC 60079-19:2024	No	Abstain	77881
CLC	prEN IEC 60079-2:2024	No	Abstain	79181
CLC	prEN IEC 60079-28:2024	No	Abstain	78777
CLC	prEN IEC 60079-42:2024	Yes	Disapprove	74980
CLC	prEN IEC 60079-45:2024	No	Abstain	74444
CLC	prEN IEC 60079-7:2023	No	Abstain	70958

NSAI ETC TC 06 SC 01 Committee

NSAI/ETC/TC 06/SC 01 vote on all documents at CEN level using a default voting strategy.

The committee actively voted on 25 documents in 2024.

Body	Vote Reference	Comments Submitted	WIID	Decision
CEN	Draft Decision 451/2024 - Adoption of PWI for EN 1127-2	No	Approve	
CEN	Draft Decision 452/2024 - Amendment to EN ISO/IEC 80079-34	No	Approve	
CEN	Draft Decision C453/2024 - Confirmation of EN 17077:2018	No	Approve	
CEN	Draft Decision C454/2024 - Amendment for Annex ZB	No	Approve	
CEN	Draft Decision C455/2024 - EN 1127-1 tolerance request	No	Approve	

CEN	Draft Decision C456/2024 - EN 14994rev - TolReq	No	Approve	
CEN	Draft Decision C457/2024 - EN 16447rev - TolReq	No	Approve	
CEN	Draft Decision C458/2024 - NWIP CEN/TR 16793 Revision	No	Approve	
CEN	Draft Decision C458/2024 - NWIP CEN/TR 16793 Revision		Approved	
CEN	Draft Decision C459/2024 - EN ISO/IEC 80079-41		Abstention	
CEN	Draft Decision C460/2024 + C461/2024		Abstention	
CEN	Draft Decision C462/2024 - activation of prEN 1127-2		Approved	
CEN	Draft Decision C463/2024 - Cancellation of WI 00305167		Approved	
CEN	Draft Decision C464/2024 - Withdrawal of Decisions 456+457		Approved	
CEN	Draft Decision C465/2024 - Withdrawal of Decision 452+454		Approved	
CEN	Draft Decision C466/2024 - Creation of CEN/TC 305/WG 8		Approved	
CEN	Draft Decision C468/2024 - Activation of prEN 1127-2	No	Approve	
CEN	Draft Decisions C467/2024 - Appointment of Convenor to WG 8		Approved	
CEN	EN 14373:2021/FprA1		Approved	
CEN	EN 14591-2:2007	No	Abstain	27324
CEN	EN 14591-4:2007	No	Confirmed	20456
CEN	FprEN 13237	Yes	Approve	68766
CEN	FprEN 13237		Approved	
CEN	FprEN 14983		Closed no vote	
CEN	prEN 15089		Approved	

5.3 Regulatory Development/Update

The committees did not review any regulatory developments.

The area of potentially explosive atmospheres is subject to two EU Directives.

- Directive 2014/34/EU which covers equipment and protective systems intended for use in potentially explosive atmospheres and
- Directive 1999/92/EC which covers minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres.

6 Irish Publications/Reviews

6.1 Publications

NSAI ETC TC 06 Committee

The Committee did not publish any deliverables this year, but continued to develop content for the HSA website. ATEX Delivery Guide - Health and Safety Authority (hsa.ie).

NSAI ETC TC 06 SC 01 Committee

The Committee did not publish any deliverables this year, however they continued to contribute to the content being produced by CEN/TC 305.

6.2 Reviews

No reviews were carried out this year.

7 Work programme for 2025 onwards

NSAI ETC TC 06 Committee

The focus of the committee shall be on contributing to the IEC 60079 series of standards being developed at European and International level by CENELEC and IEC.

The committee shall continue the work on the production of an ATEX Verification Guidance website hosted by the HSA for use by people working in Explosive Atmospheres. The committees several groups will continue to develop this work. The groups are listed below:

- WG 1: Functional Safety Group
- WG 2: Static Group
- WG 3: Earthing Group
- WG 6: Inspection & Testing Group
- WG 9: Risk
- WG 10 Assemblies

The committee will continue attendance and contribution at the IEC & CLC level throughout 2025 by reviewing, inputting Irish comments and voting on the various stages of standards development. The number of work programmes taking place in the relevant IEC committees are listed and detailed below:

- IEC TC 31 18 work programmes,
- IEC TC 31G 1 work programme,
- IEC TC 31M 4 work programmes,
- IEC TC 31J work programmes.

IEC Work Programme:

IEC	Project Reference	Title	Document Reference	Working Group	Fcst. Publ. Date
TC 31	IEC 60079-0 ED8	Explosive atmospheres - Part 0: Equipment - General requirements	31/1781/CDV	WG 22	2025-11
TC 31	IEC 60079-1 ED8	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"	31/1704/CD	MT 60079-1	2026-02
TC 31	IEC 60079-2 ED7	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"	31/1764/CDV	MT 60079-2	2025-11
TC 31	IEC 60079-7 ED6	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	31/1842/FDIS	MT 60079-7	2025-03
TC 31	IEC 60079-15 ED6	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	31/1843/CD	MT 60079-15	2027-12
TC 31	IEC 60079-18 ED5	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"	31/1763/CDV	MT 60079-18	2025-07
TC 31	IEC 60079-26 ED5	Explosive atmospheres - Part 26: Equipment with	31/1758/CD	MT 60079-26	2026-03

		Separation Elements or combined Levels of Protection			
TC 31	IEC 60079-28 ED3	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation	31/1793/CDV	MT 60079-28	2025-10
TC 31	IEC 60079-29-0 ED1	Explosive atmospheres - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts.	31/1784/CDV	PT 60079-29-0	2026-03
TC 31	IEC/IEEE 60079-30-1 ED2	Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements	31/1768/CDV	MT 60079-30	2025-08
TC 31	IEC/IEEE 60079-30-2 ED2	Explosive atmospheres - Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance	31/1769/CDV	MT 60079-30	2025-08
TC 31	IEC TS 60079-32-1 ED2	Explosive atmospheres - Part 32-1: Electrostatic hazards, guidance	31/1589/RR	JWG 29	2026-02
TC 31	IEC 60079-32-2 ED2	Explosive atmospheres - Part 32-2: Electrostatics hazards - Tests	31/1587/RR	JWG 29	2026-02
TC 31	IEC 60079-33 ED2	Explosive atmospheres - Part 33: Equipment protection by special protection 's'	31/1838/CD	MT 60079-33	2027-08
TC 31	IEC 60079-42 ED1	Explosive atmospheres - Part 42: Electrical safety devices for the control of potential ignition sources for Ex-Equipment	31/1797/CDV	WG 42	2025-11
TC 31	IEC 60079-45 ED1	Explosive atmospheres - Part 45 - Electrical Ignition Systems for Internal Combustion Engines	31/1776/CDV	PT 60079-45	2025-10
TC 31	IEC 60079-46 ED1	Explosive atmospheres - Part 46: Equipment assemblies	31/1831/CD	MT 60079-46	2026-02
TC 31	IEC 60079-101 ED1	Explosive atmosphere – Part 101: Principles of explosion protection	31/1786/NP	WG 54	2027-12
TC 31G	IEC 60079-25/AMD1 ED3	Amendment 1 - Explosive atmospheres - Part 25: Intrinsically safe electrical systems	31G/417/CDV	MT 60079-25	2026-01
TC 31M	ISO/IEC 80079-20-1 ED2	Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data	31M/249/CD	MT 80079-20-1	2027-11
TC 31M	ISO/IEC 80079-34 ED3	Explosive atmospheres - Part 34: Application of quality management systems for Ex Product manufacture	31M/225/CD	MT 80079-34	2027-05

TC 31M	ISO/IEC 80079-38 ED2	Explosive atmospheres - Part 38: Equipment and components in explosive atmospheres in underground mines	31M/211/CD	MT 80079-38	2026-04
TC 31M	ISO/IEC 80079-41 ED1	Explosive atmospheres – Part 41: Reciprocating internal combustion engines	31M/200/NP	PT 80079-41	2026-09
TC 31J	IEC 60079-10-1 ED4	Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres	31J/359/RR	MT 60079-10-1	2026-05
TC 31J	IEC 60079-10-2 ED3	Explosive atmospheres - Part 10-2: Classification of areas - Explosive dust atmospheres	31J/354/RR	MT 60079-10-2	2026-04
TC 31J	IEC 60079-13 ED3	Explosive atmospheres - Part 13: Equipment protection by pressurized room "p" and artificially ventilated room "v"	31J/373/CD	MT 60079-13	2026-02
TC 31J	IEC 60079-19 ED5	Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation	31J/363/CDV	MT 60079-19	2025-07

The number of work programmes taking place in the relevant CENELEC committees are listed and detailed below:

- CLC TC 31 23 work programmes,

CLC Work Programme:

CLC TC	WI Number	Reference	Title
TC 31	67360	FprEN 50270:2021	Electromagnetic compatibility - Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
TC 31	67788	prEN IEC 60079-2:2022	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"
TC 31	70958	FprEN IEC 60079-7:2024	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
TC 31	71657	EN 50176:2025	Automatic electrostatic application systems for ignitable liquid coating materials - Safety requirements
TC 31	74444	prEN IEC 60079-45:2024	Explosive atmospheres - Part 45: - Electrical ignition systems for internal combustion engines
TC 31	74979	prEN IEC 60079-46	Explosive atmospheres - Part 46: Equipment assemblies
TC 31	74980	prEN IEC 60079-42:2024	Explosive atmospheres - Part 42: Electrical safety devices for the control of potential ignition sources for ex-equipment
TC 31	74981	prEN IEC 60079-0:2024	Explosive atmospheres - Part 0: Equipment - General requirements
TC 31	74983	prEN IEC 60079-1	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

TC 31	74984	prEN IEC 60079-32-2	Explosive atmospheres - Part 32-2: Electrostatics hazards - Tests
TC 31	76750	EN IEC 60079-15:2019/FprAA:2025	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
TC 31	76884	prEN IEC 60079-29-0:2024	Explosive atmospheres - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts.
TC 31	77106	prEN IEC 60079-18:2024	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"
TC 31	77698	prEN IEC 60079-13	Explosive atmospheres - Part 13: Equipment protection by pressurized room "p" and artificially ventilated room "v"
TC 31	77881	prEN IEC 60079-19:2024	Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation
TC 31	78777	prEN IEC 60079-28:2024	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
TC 31	79181	prEN IEC 60079-2:2024	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"
TC 31	79200	prEN IEC 60079-10-2	Explosive atmospheres - Part 10-2: Classification of areas - Explosive dust atmospheres
TC 31	79419	prEN IEC 60079-26	Explosive atmospheres - Part 26: Equipment with separation elements or combined levels of protection
TC 31	79522	prEN IEC 60079-10-1	Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres
TC 31	80448	prEN IEC 60079-29-0:2024/prAA	Explosive atmospheres - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts.
TC 31	80698	prEN IEC 60079-101	Explosive atmosphere - Part 101: Principles of explosion protection
TC 31	80794	EN IEC 60079-11:2024/prAA	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

It is planned that the committee will be once/quarter in 2025.

NSAI ETC TC 06 SC 01 Committee

NSAI/ETC/TC 06/SC 01 committee will contribute to the standards being developed at European level by CEN throughout 2025 by reviewing, inputting Irish comments and voting on the various stages of standards development.

Attendance and/or monitoring of the below Working Groups is planned for 2025 depending on member availability:

CEN/TC 305/WG 1 "Test methods for determining the flammability characteristics of substances".

CEN/TC 305/WG 2 "Equipment for use in potentially explosive atmospheres".

CEN/TC 305/WG 3 "Devices and systems for explosion prevention and protection".

CEN/TC 305/WG 4 "Terminology and Methodology".

CEN/TC 305/WG 5 "Equipment and components in underground mines and reciprocating internal combustion engines for potential explosive atmospheres".

CEN/TC 305/WG 6 "Flame arresters".

IEC/TC 31/SC 31M/PT 80079-50 "Explosion venting devices".

IEC/TC 31/SC 31M/WG 2 "Performance requirements, test methods and limits for use for flame arresters"

It is planned to have two to three NSAI/ETC/TC 06/SC 01 meetings in 2025.

8 Additional Information

No additional information.