

CEN Reference:

BT N 11692

Draft BT C145/2019

CENELEC Reference:

BT163/DG11408/INF

Simultaneous circulation to CEN and CENELEC TECHNICAL BOARDS

BT by correspondence

CENELEC Agenda item:

5.1.6

Issue date: 2019-07-24

Deadline (CEN only)

2019-10-22

	Vote - IR2 clause 6.1.4 (Acceptance/Refusal)	For information to organization not addressed in the proposal
CEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CENELEC	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBJECT

Creation of a new CEN/TC ‘Sustainable and Smart Cities and Communities’

BACKGROUND

On 2019-07-17, CCMC received a proposal from AFNOR for the creation of a CEN Technical Committee in the area of sustainable and smart cities and communities, for which details are provided in Annex. AFNOR is willing to undertake the secretariat of the Technical Committee.

The establishment of such a Technical Committee has been discussed at several occasions within the CEN-CLC-ETSI Sector Forum on Smart and Sustainable Cities and Communities (SF-SSCC), which supports the creation of a CEN/TC. The creation of a such a TC was confirmed at the last SF-SSCC plenary meeting held on 2019-04-06 at CCMC.

The proposed Technical Committee will be responsible for standardization in the field of Sustainable and Smart Cities and Communities covering the development of requirements, frameworks, guidance and supporting tools and techniques. The Technical Committee is intended to address specific European needs through a consistent approach with the activities of ISO/TC 268 ‘Sustainable Cities and Communities’. Furthermore, it is expected to support the UN Sustainable Development Goals and address European research projects (H2020, Horizon Europe, European Innovation Partnership on Smart Cities and Communities).

In addition, it should be noted that the CEN-CLC-ETSI SF-SSCC members would support the maintenance of the Sector Forum if a CEN/TC is set up, in order to ensure the existing and necessary cooperation and coordination between the ESOs on the topic.

By Decision BT 65/2017, BT decided that the following criteria are to be met for acceptance of a proposal for new field of work:

- Vote according to Internal Regulations Part 2 clause 6.1.4;

Note: Possible votes are 'Agrees', 'Disagrees with comments' and 'Abstains'. Any vote indicating 'Deferred decision' will be counted as 'Disagrees with comments'

- At least 5 members express commitment to participate

Consequently, BT members are requested to state explicitly, by means of the commenting field provided in the BT-balloting tool, whether or not they are committed to participate in the work.

PROPOSAL(S)

CEN/BT,

- having considered the proposal for a new field of technical activity submitted by AFNOR as included in BT 11692;
- considering that the following members have expressed commitment to participate:
 - o <members>
- decides to create a new CEN/TC XXX with the following preliminary title and scope:

Title: Sustainable and Smart Cities and Communities

Scope: Standardization in the field of Sustainable and Smart Cities and Communities covering the development of requirements, frameworks, guidance and supporting tools and techniques. The proposed series of standards will support the development and implementation of a holistic and integrated approach to the achievement of sustainable development and sustainability in response to the needs of European cities and communities. It is proposed that the series of standards rely on: (1) ISO's six purposes of urban development sustainability, namely resilience, attractiveness, well-being, social cohesion, preservation and improvement of environment, responsible resource use; (2) provisions for all Cities and Communities and their interested parties in both rural and urban areas; (3) the use of smart solutions as a means to achieve the sustainability of urban development.

- allocates the secretariat of CEN/TC XXX to AFNOR;
- asks the new CEN/TC XXX to submit its final title and scope for BT approval after its kick-off meeting.

2019-07-19 – CK



PROPOSAL for a NEW FIELD OF TECHNICAL ACTIVITY	
Date of circulation	CEN/TC / SC N (where appropriate)
Secretariat AFNOR	CEN/TC / SC (Sec) AFNOR (where appropriate)
Type of technical body proposed (TC / SC / BTTF)	Technical Committee

IMPORTANT NOTE: Incomplete proposals risk rejection or referral to originator.

The proposer has considered the guidance given in Annexes 1 and 2 during the preparation

Proposal (to be completed by the proposer)

<p>Title of the proposed new subject (The title shall indicate clearly and unambiguously, yet concisely, the new field of technical activity which the proposal is intended to cover.)</p> <p>Sustainable and Smart Cities and Communities</p>
<p>Scope statement of the proposed new subject (The scope shall precisely define the limits of the new field of technical activity. Scopes shall not repeat general aims and principles governing the work of the organization but shall indicate the specific area concerned.)</p> <p>Standardization in the field of Sustainable and Smart Cities and Communities covering the development of requirements, frameworks, guidance and supporting tools and techniques.</p> <p>The proposed series of standards will support the development and implementation of a holistic and integrated approach to the achievement of sustainable development and sustainability in response to the needs of European Cities and Communities.</p> <p>It is proposed that the series of standards rely on:</p> <ul style="list-style-type: none"> • ISO's six purposes of urban development sustainability, namely resilience, attractiveness, well-being, social cohesion, preservation and improvement of environment, responsible resource use, • Provisions for all Cities and Communities and their interested parties in both rural and urban areas, • The use of smart solutions as a means to achieve the sustainability of urban development. <p>Note 1: The Technical Committee is expected to contribute to the UN Sustainable Development Goals as well as other relevant International agreements such as the Paris agreement and the New Urban Agenda.</p> <p>Note 2: The entire set of standards produced by this technical committee is intended to be developed in a consistent and complementary approach with International Standards and in particular those of ISO/TC 268 "Sustainable cities and communities", so as to avoid any duplication of work.</p> <p>Note 3: All European ongoing standardization work is to be considered, in close cooperation with the CEN/CENELEC/ETSI SF-SSCC (sector forum on "Smart and sustainable cities and communities").</p>

Purpose and justification for the proposal.

Whether to launch European standardization work on this topic has been under consideration for several years. Indeed, as early as 2011, AFNOR submitted a proposal for a new CEN Technical Committee but it was deemed, at the time, that the subject was insufficiently mature at European level for creating such a TC. Nonetheless, as CEN members recognized the strategic and cross-cutting nature of the subject, a European coordination group was established, later followed by a sector forum, CEN/CENELEC/ETSI SF-SSCC.

Since then, the maturity of standardization activities has increased significantly as well as the awareness and use of the first standards published. This appeared clearly through surveys, mappings, communications, reports of activities in ISO, IEC and ITU-T, presentations of H2020 projects, regular reports on European activities that raised strategic issues like the need for a strong cooperation between European and International standardization organisations etc. The Sector Forum discussed the need to adopt some International Standards as ENs, in particular ISO standards developed by ISO/TC 268 Sustainable cities and communities and also to answer specific European needs.

Indeed, the context in Europe features many initiatives related to the development of reference documents:

- The specific institutional environment in the EU and EEA, with policies and initiatives at the European level, plays an important role. In its communication related to Energy 2020, (COM(2010) 639) the European Commission stresses that innovative integrated energy solutions at local level contributing towards transition to so-called 'smart cities' should be supported. In addition, DG ENER, DG MOVE and DG CONNECT launched on July 2012, the European Innovation Partnership on Smart Cities and Communities (EIP-SCC). The underlying idea of this partnership is to provide cities, urban and rural areas with tools for greater energy savings. The number of standardisation initiatives launched in Europe on various aspects of smart cities has thus increased very quickly and those initiatives are not coordinated at this stage. Interested parties are increasingly aware of this need of harmonization. For example, European projects such as H2020 or the EIP-SCC produce a lot of recommendations and/or pre-standardization deliverables. Some of them are in conflict with each other or with existing international standards, for instance regarding terminology.
- Cities in Europe are now connected through various networks. They often develop similar approaches and have comparable levels of development. These networks, collaborations and common goals provide a good basis for development of consensus-based standards.

Several standardization needs are emerging from these European initiatives, which lead to the conclusion that it is the right time to consider setting up a new field of activity at CEN level.

With a dedicated CEN Technical committee on Sustainable and Smart Cities and Communities, it is expected:

- to address dedicated European needs through a consistent approach with pre-existing European and international frameworks**
- to develop a European vision on Sustainable and Smart Cities and Communities**
- to drive a joint endeavour for developing European standards**

AFNOR proposes that the Chairmanship of this new TC be assigned to a person from another country in order to foster a balanced and shared governance at European level.

The establishment of this Technical Committee has been discussed several times within the Sector Forum during the past two years. Members deemed it the right course of action for European standardization on sustainable and smart cities and communities.

Nevertheless, in order to keep the existing cooperation and coordination between ESO's and also between TCs when needed, CEN/CENELEC/ETSI SF-SSCC members underlined, several times, the need to maintain the sector forum if a CEN/TC is set up. The new CEN/TC will inform the sector Forum SF-SSCC about its projects under development. Additionally, the SF-SSCC could propose some new work items to the CEN/TC in connection with needs discussed within the Sector Forum.

Is the proposed new subject actively, or probably, in support of European legislation or established public policy?

Yes No

If Yes, indicate if the proposal is

- in relation to EC mandate(s):(which one(s))
- in relation to EC Directive(s)/Regulation(s):(which one(s))
- in relation to other legislation or established public policy:(give details)

Public policies: European Innovation Partnership on Smart Cities and Communities (EIP-SCC), Communication related to Energy 2020, (COM(2010) 639) and other European policies.

Proposed initial programme of work

The following work programme is proposed :

- Identification of published ISO standards which would be relevant for the European level considering the European specific needs; it is proposed to consider at first ISO 37104:2019 and ISO 37101:2016;
- Identification of specific European needs; priority will be given to the work undertaken by Swedish standardisation stakeholders about the implementation of UNSDGs and the Urban Agenda 2030
- Identification of pre-standardization deliverables published following H2020 projects for example

A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing CEN, CENELEC, ISO and IEC deliverables.

ISO/TC 268 "Sustainable cities and communities" was created in 2012 and has now published a set of standards. It is proposed in the future work programme to identify the published ISO standards relevant for the European level considering European specific needs.

Liaison and joint work under the Vienna Agreement will also be proposed to avoid duplication of work.

Careful consideration will be given to ensure that all standards to be developed by the proposed CEN technical committee will be established in a consistent and complementary approach with international standards developed under the responsibility of ISO/TC 268.

As stated above, it is proposed to continue the CEN/CENELEC/ETSI SF-SSCC if a CEN/TC is set up, in order to rely on a coordination body between relevant European technical bodies when needed. Furthermore, the CEN/TC will inform SF-SSCC about its projects under development. Additionally, the SF-SSCC could propose new work items to the CEN/TC linked to some needs discussed within the sector forum.

The new TC will establish liaison with existing committees like CEN/TC 350 "Sustainability of construction works", CEN/TC 442 "Building Information Modelling (BIM)", CEN/CLC/JTC 14 "Energy management and energy efficiency in the framework of energy transition", etc., in order to ensure global consistency within existing standardization activities.

A listing of relevant existing documents at the international, regional and national levels. Any known relevant documents (such as standards and regulations) shall be listed, regardless of their source, and should be accompanied by an indication of their significance.

ISO 37100:2016 Sustainable cities and communities -- Vocabulary

ISO 37101:2016 Sustainable development in communities -- Management system for sustainable development -- Requirements with guidance for use

ISO 37104:2019 Sustainable cities and communities -- Transforming our cities -- Guidance for practical local implementation of ISO 37101

ISO 37106:2018 Sustainable cities and communities -- Guidance on establishing smart city operating models for sustainable communities

ISO 37120:2018 Sustainable cities and communities -- Indicators for city services and quality of life

ISO 37122:2019 Sustainable cities and communities -- Indicators for smart cities

ISO/FDIS 37123 Sustainable cities and communities -- Indicators for resilient cities

SS 854000:2014 Management system for sustainable development in municipalities, county councils and regions - Guidance

Known patented items

Yes No If "Yes", see CEN-CENELEC Guide 8 and provide full information in an annex

A simple and concise statement identifying and describing relevant affected stakeholder categories (including small and medium sized enterprises) in particular those who are immediately affected from the proposal (see Annexes 1 and 2) and how they will each benefit from or be impacted by the proposed deliverable(s)

- Government: national ministries and associated public authorities/agencies; regional/federal and local governments (cities, communities, ...); the proposed set of standard will mainly focused on local government (Cities, communities...) by providing dedicated tools and methodologies that aims to support the implementation of urban development sustainability. It could be also of interest for all kind of stakeholders mentioned above.
- Industry and commerce: public and private developers and investors, construction stakeholders as well as many urban services stakeholders: e.g. energy, health, safety, transport, water, waste, etc., whether directly or indirectly involved in Sustainable Development in communities at different stages in their life cycles, will find useful the guidelines to be covered by the proposed set of European Standards.
- Users: citizens, urban dwellers and other interested and concerned parties ;
- Non-governmental organisations (NGO), including organizations representing environmental interests
- Academic and research bodies

Liaisons:

A listing of relevant external European or international organizations or internal parties (other CEN, CENELEC, ETSI, ISO and/or IEC committees) to which a liaison should be established (in the case of ISO and IEC committees via the Vienna or Dresden Agreements).

CEN CENELEC ETSI / Sector Forum SF-SSCC

ISO/TC 268 Sustainable cities and communities

CEN/TC 350 Sustainability of construction works

CEN/TC 442 Building Information Modelling (BIM)

CEN/CLC/JTC 14 "Energy management and energy efficiency in the framework of energy transition"

Joint/parallel work:

Possible joint/parallel work with:

CEN (please specify committee ID)

CENELEC (please specify committee ID)

ISO (please specify committee ID) **ISO/TC 268**

IEC (please specify committee ID)

Other (please specify)

Name of the Proposer
(include contact details)

AFNOR

11 Rue Francis de Pressensé

93571 La Plaine Saint Denis

France

In case of questions, do not hesitate to contact Mr Etienne Cailleau etienne.cailleau@afnor.org and Mrs Mélanie RAIMBAULT (melanie.raimbault@afnor.org)

An expression of commitment from the proposer to provide the committee secretariat if the proposal succeeds.

In case of acceptance of the proposal, AFNOR is willing to undertake the secretariat of the Technical Committee.



Alain COSTES,
AFNOR Standardization Director

Signature of the proposer

Annex(es) are included with this proposal (give details)

Annex 3 Background information

Informative Annex 1 "Principal categories of market needs"

- Consumer protection and welfare
- Environment
- Innovation
- Support to:
 - public policy
 - European legislation/regulation
- Market access/barriers to trade, i.e. enhancing the free movement of:
 - services
 - goods
 - people
- Interoperability
- Health/Safety
- Terminology

Informative Annex 2 "Principal categories of stakeholders"

- Industry and commerce,
 - where particularly appropriate, to be identified separately as
 - Large enterprises (those employing 250 staff or more)
 - Small and medium sized enterprises (SME), (those employing 250 staff or fewer)
- Government
- Consumers
 - including those organizations representing interests of specific societal groups, e.g. people with disabilities or those needing other particular consideration)
- Labour
- Academic and research bodies
- Non-governmental organisations (NGO),
 - including organizations representing broad or specific environmental interests
- Standards application business (e.g. testing laboratories, certification bodies)

Sometimes it is valuable also identify the immediate affected stakeholders from industry and commerce in terms of their position in a product value chain, as follows:

- Supplier
- Manufacturer
- Intermediary (e.g. warehousing, transport, sales)
- Service provider
- User of the product or service
- Maintenance / disposal

NOTE: 'Immediately affected stakeholders' are considered to be those who, within the context of the proposal, would be in a position to implement the provisions of the intended standard(s) into their products, services or management practices.

Annex 3 – Background information

In 2011, AFNOR submitted a proposal to create a new CEN Technical Committee in order to develop a European Standards on Sustainable development in Communities. Following the failed proposal circulated as BT C151/2011, the AFNOR proposal was discussed at the 71st CEN/BT meeting. Despite expressions of commitment to participate should the TC be created of more than five CEN members, it was considered that there was no sufficient justification for establishing a new technical body at European level on the matter at that time.

AFNOR was asked to produce evidence of the need for European work in this area in order to take a decision at the 72nd BT meeting and a workshop was organised in early December 2012. Following this workshop, CEN/BT decided in December 2012 to establish a coordination group (DECISION BT 32/2012 (46th BT/TCMG item: 2.1). The needs expressed should gain more maturity at European Level before a technical committee could be proposed and standardisation deliverables developed. (see Decision BT 32/2012 (46th BT/TCMG item 2.1).

DECISION BT 32/2012 (46th BT/TCMG item: 2.1)

Subject: Creation of a new Technical Committee on Sustainable Development in Communities

BT,

- having considered the proposal for new work (Form A) on Sustainable Development in Communities submitted by AFNOR circulated as draft BT C151/2011 which had failed by correspondence;*
- noting the evidence provided by AFNOR in annex 2 to BT N 8798 at the 72nd BT meeting for the need for a CEN/TC 'Smart and sustainable cities and communities', following discussions at the 71st BT meeting;*
- considering Decision BT 30/2012 taken at the 72nd BT meeting asking the BT/TCMG to take a final decision on the topic following the outcome of the discussions at the CCMC Workshop on Smart Cities, on 2012-12-05/06;*
- considering the outcome of the CCMC Workshop on Smart Cities and subsequent discussions at BT/TCMG on possible options presented for taking on board this work and broad interest expressed;*
- decides to create a Coordination Group 'Smart and sustainable cities and communities' under AFNOR secretariat and invites CENELEC and ETSI to participate and concur;*
- invites AFNOR to prepare an initial draft Terms of Reference, highlighting the main tasks of the group, for review and endorsement at its first meeting, prior to submission to the CEN and/or CENELEC and/or ETSI (Technical) Board(s) for approval.*

Since the creation of the European coordination group, followed by a sector forum - CEN/CENELEC/ETSI SF-SGCC, 7 years ago, standardization activities maturity has significantly increased as well as the awareness and use of standards. This appeared thanks to the surveys, mappings, communication, report of activities (from ISO/ITU/IEC), presentations of H2020 projects, regular reports on European activities that raised strategic issues like this need for a strong cooperation between European and International standardization organisations etc. The Sector Forum discussed about the need to take over some international standards (in particular some ISO standards developed by ISO/TC 268) as European standards and also to answer the specific European needs.

The establishment of this technical has been discussed several times within the Sector Forum during the past two year and members identified the need to have European standardization on sustainable and smart cities and communities.