

Mandate Adaptation to Climate Change – Report 2015-2016

1. Introduction

The EU Strategy on Adaptation to Climate Change has identified technical standards as an effective instrument for improving the climate resilience of the infrastructures across Europe. The sectors identified as priority sectors in the Strategy are the following:

- Transport infrastructure;
- Energy infrastructure;
- Buildings/construction

This has resulted in the Standardization Request (Mandate M/526) addressed to the European Standardization Organisations (ESOs) in support of implementation of the EU Strategy on Adaptation to Climate Change. In this Standardization request ESOs are asked to identify the standards relevant for adaptation to climate change in the three priority sectors, to prioritize them and subsequently revise the prioritized standards.

The Mandate consists of the following phases:

- Phase 1: Programming phase - establish a list of priority standards for each of the priority sectors
- Phase 2: Standardization phase - development of standardization deliverables resilient to the adverse effects of climate change.

2. Structure of the work - Coordination Group and Chairman Advisory Group

CEN and CENELEC have established the Adaptation to Climate Change - Coordination group (ACC-CG) to coordinate the work for the execution of the standardization request.

The ACC-CG is supported by the Chairman Advisory Group (CAG) The CAG consists of the chairman (nominated by DIN, the German standardization institute), secretariat (NEN, the Netherlands standardization institute), representatives from CCMC, EC, EFTA, and relevant TCs, and three experts, one for each priority sector.

The three experts are in charge of providing technical input to the work of the CAG. The draft documents prepared by the CAG are presented and discussed in the ACC-CG.

3. Phase 1: programming phase

Phase 1 of the mandated project started in January 2015 and will finish in December 2016.

Phase 1 consists of 3 tasks:

- Task 1: Mapping exercise → deliverable: long list of standardization needs and initiatives per priority sector;
- Task 2: Prioritization criteria → deliverable: set of prioritization criteria and method for applying the prioritization criteria;
- Task 3: Establish list of priority standards → deliverable: preliminary work programme (shortlist of maximum 20 standards for each priority sector).

3.1 Task 1: Mapping exercise

Questionnaire: a questionnaire was sent to the selected CEN and CENELEC TCs and NSBs in order to get an overview of the relevant standardization needs and standardization. In total 82 respondents replied to the questionnaire. Most responses came from the construction/ building sector ($\pm 40\%$), whereas the number for the sectors energy and transport was substantially lower (respectively 20% and 12%).

Interviews: based on the outcome of the questionnaire and on consultation with key TCs and Sector Fora, 5 key stakeholders were interviewed by each of experts of the priority sectors.

Screening standards: as the results of the questionnaire and interviews were less detailed as expected, the priority experts decided to screen the list of available standards in their sector by themselves.

Workshops: in total, three workshops were held, each focusing on one priority sector. The workshops took place in different affiliated entities countries in order to stimulate commitment to the work by 'bringing it to the stakeholders'. Specific stakeholders related to each of the priority sectors were invited to specific workshops:

- 15 December 2015: Workshop Buildings-construction: NEN, Delft, The Netherlands
- 18 January 2016: Workshop Transport: AENOR, Madrid, Spain
- 27 January 2016: Workshop Energy: DIN, Germany

Long lists: on the basis of the information gathered by the questionnaire, interviews, screening and workshops, a long list of standards and (potential) standardization initiatives was established for each priority sector (=Excel table).

3.2 Task 2: Prioritization criteria

Prioritization criteria including illustrative examples and a method for their application were developed.

The long lists and prioritization criteria are the basis for the final identification of priority standards.

3.3 Task 3: Establish the list of priority standards

Consultation TCs: The long lists of standards including a guidance document were sent to the representative TCs for consultation. The TCs were asked :

- to check the list of standards, to complete the table, and to approve the identified standards, if necessary with comments;
- to prioritize the identified standard

In total, 18 TCs and mirror groups responded to the 3 long lists (see Annex A).

The responses will be analysed and summarised by the priority sector experts, in order to fix the requested short list of priority standards

The preliminary work programme (shortlist of maximum 20 standards for each priority sector) will be ready at the end of 2016.

4. Meetings

The coordination group (ACC-CG) has held 3 meetings so far.

The kick-off meeting took place on 20 January 2015 and represented the official start of the mandated project Adaptation to Climate Change. The EU strategy and mandate on Adaptation to Climate Change were presented, and the tasks of the coordination group were explained.

The 2nd meeting was held on 2 June 2015, the results of the questionnaire were discussed as well as a first set up of the prioritization criteria (see 3.1 and 3.2).

During the 3rd meeting on 22 March 2016 the results of the stakeholder analysis and workshops were presented as well as the draft long lists of standards (see 3.1 and 3.3).

The last meeting of Phase 1 will take place on 25 October 2016, and at that meeting the short list of priority standards will be discussed.

In order to discuss the progress of the tasks carried out by the priority experts and to prepare the coordination group meetings, the Chairman Advisory Group (CAG) has held 5 meetings: 6 May 2015, 8 September 2015, 6 November 2015, 10 February 2016, and 7 June 2016. The next CAG meeting will take place on 10 October 2016.

5. Phase 2 Standardization phase

Phase 2 is still subject to an ongoing planning.

In this Phase the identified standards of Phase 1 will be revised and new standards will be developed.

Annex A: Long lists per priority sector

Long list Buildings-construction sector

See separate document: Framework_Buildings_responses TCs_July 2016.xls

Long list Transport sector

See separate document: Framework_Transport_responses TCs_July 2016.xls

Long list Energy sector

See separate document: Framework_Energy_responses TCs_July 2016.xls

The responses of the TCs and mirror groups are highlighted in yellow.