



City Resilience Development CWA 17300 standards series

Introduction

The City Resilience Development standards series intends to support cities in becoming more resilient against various kinds of threats. The series consists of the following three CEN Workshop Agreements:

- CWA 17300 City Resilience Development – Operational Guidance
- CWA 17301 City Resilience Development – Maturity Model
- CWA 17302 City Resilience Development – Information Portal

The CWA on Operational Guidance is the overarching document that refers to the *CWA 17301 City Resilience Development – Maturity Model*, *CWA 17302 City Resilience Development – Information Portal*, as well as to other supporting tools.

The CEN Workshop Agreements are free downloadable at the following website:
<https://www.cencenelec.eu/research/CWA/Pages/default.aspx>



CWA 17300 City Resilience Development – Operational Guidance

The standard defines an operational framework for cities that provides guidance on local resilience planning and supports their efforts in building resilience. The Operational Guidance consists of five steps that have to be repeated regularly. The five steps implemented in a full cycle are the following: Baseline Review, Risk Awareness, Resilience Strategy, Implementation and Monitoring, Evaluation and Reporting.



*Dr. Pierluigi Potenza (Municipality of Rome – Risorse per Roma S.p.A.):
“Urban resilience is not a physical science. Is it therefore possible to develop and define standards on it? The answer is definitely yes, because formally defined standards like the Operational Guidance are the way to implement effective and measurable resilience policies, and correctly assess them.”*



The three CEN Workshop Agreements have been developed within the framework of the Horizon2020 project SMR - Smart Mature Resilience. Further information on the project can be found on www.smr-project.eu.



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CWA 17301 City Resilience Development – Maturity Model

The Maturity Model defines five incremental stages, which guide local governments through the ideal path for building-resilience: Starting, Moderate, Advanced, Robust, and Vertebrate. Each of these maturity stages includes a description of the objectives of each stage, the stakeholders actively involved in each maturity stage, and a list of policies that should be followed.

Elizabeth Gregersen, Ib Jespersgaard, Jacob Knudsen, Anne Charlotte Petersen (Municipality of Vejle – VIFIN):
“The standardization of the maturity model enables us, cities, to have a standard tool to measure in which level we are in making our cities resilient, as well as identify areas that we need to focus on in the future. Moreover, it is also a useful tool for our decision makers to prioritize where to invest limited resources as we strengthen our capacity to cope with our challenges.”



CWA 17302 City Resilience Development – Information Portal

The document provides a list of requirements and recommendations for how municipalities should equip an information system that facilitates resilience building through collaboration, communication, and engagement. The portal is a platform for communication within a local government, between a local government and its overall stakeholders, and between a local government and citizens.



Sigurd Paulsen (Municipality of Kristiansand – Crisis Management Department):
“The standard is very useful for the city in the way of improving your communication with citizens and stakeholders. You can use the standard as a standard requirement for what you already have established and what application or processes needed to be done to raise your resilient level at your communication unit.”



Contact details of CEN Workshop chairpersons

Operational Guidance
Maturity Model
Information Portal

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