

SIGNIFICANCE OF STANDARDIZATION IN CONSERVATION OF CULTURAL HERITAGE

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Standardization

- The aims of standardization are as follows: to make a product, process or service fit for its purpose, controlling variety by using the optimum number of types or sizes, ensuring compatibility of various products, health, safety, protection of the environment, etc.

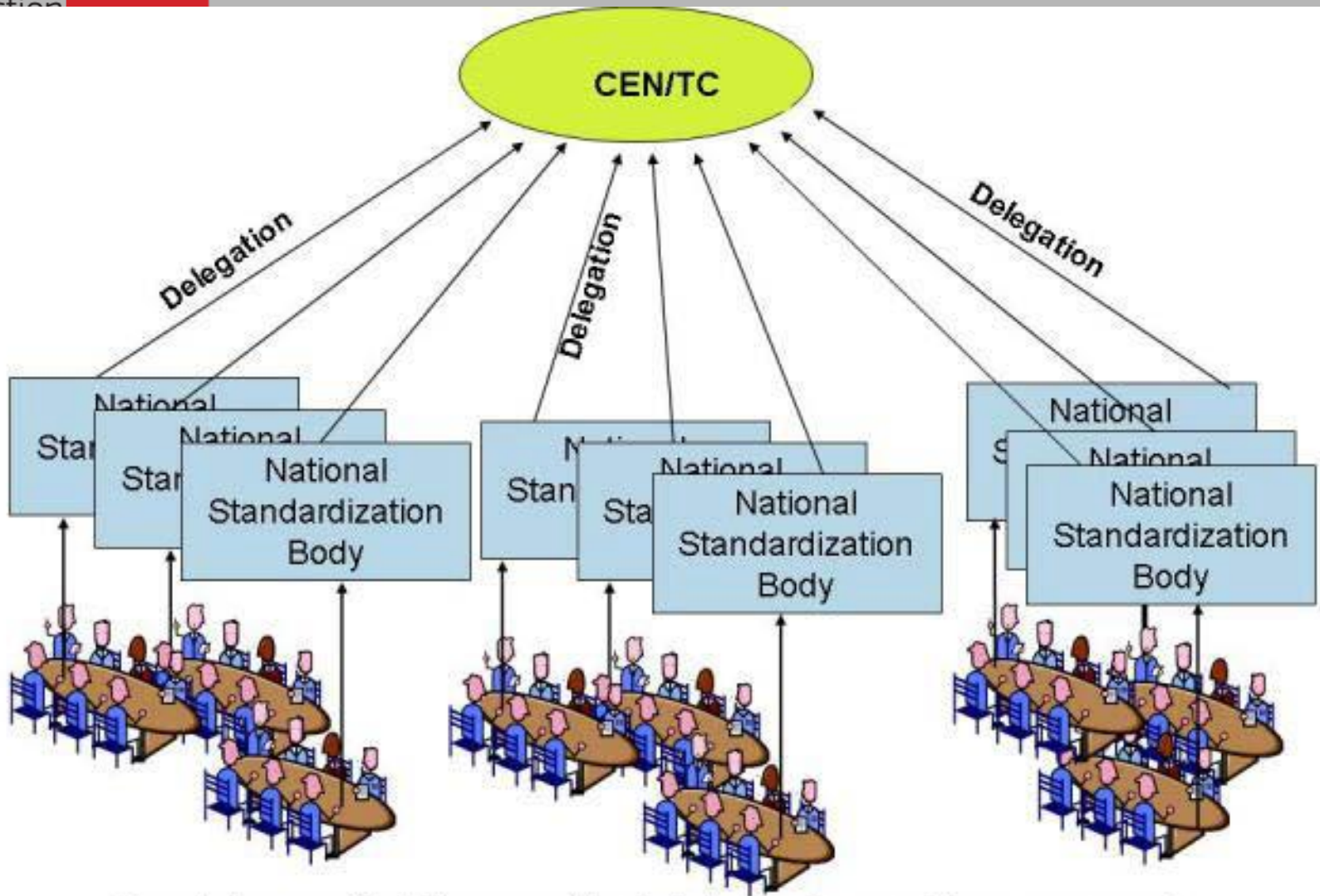


Standard

- The formal definition of a standard is a “document, established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context”.
- There are several different types of standards. Basically, standards include requirements and/or recommendations in relation to products, systems, processes or services. Standards can also be a way to describe a measurement or test method or to establish a common terminology within a specific sector.

Principles of standardization

- Consensus
- Involvement of all stakeholders
- Openness to the public
- State of the art
- Coherence of standards collection



Experts in a specific field representing: industry, trade associations, government, consumers, academia, customers, certification bodies

Protection
of

Cultural
Heritage

from Natural
and Man-made
Disasters

HZN

- The Croatian Standards Institute HZN is an autonomous non-profit public institution established as the national standards body of the Republic of Croatia with a view to accomplishing the following goals of standardization:
- increasing the safety level of products and processes,
- protecting human health and lives and environmental protection,
- promoting the quality of products, processes and services,
- ensuring the appropriate use of work, materials and energy,
- improving production efficiency,
- controlling variety, ensuring compatibility and interchangeability, and
- removing technical barriers to international trade.



HZN

Hrvatski zavod za norme
Croatian Standards Institute

HZN - membership

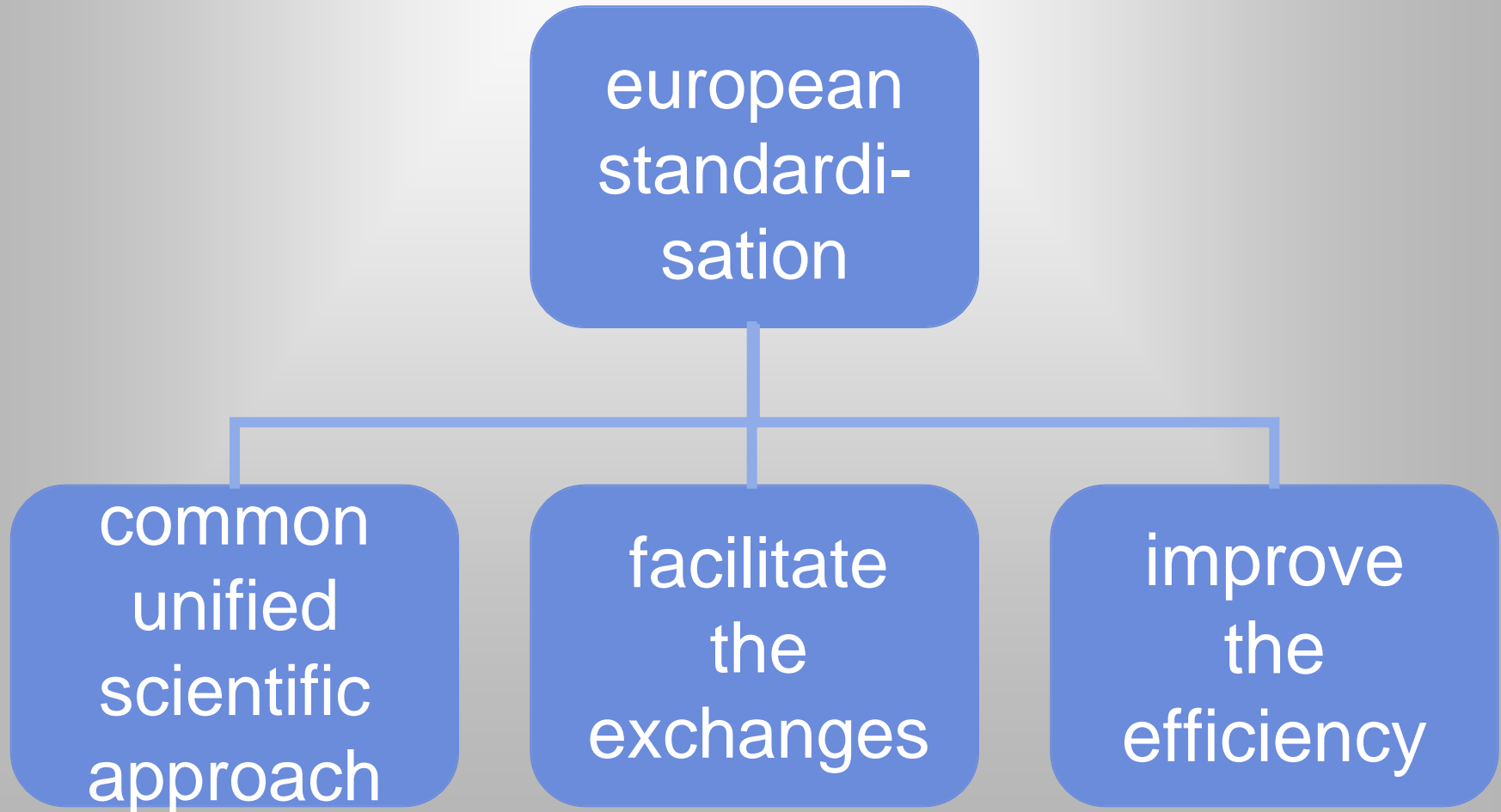
- Croatian Standards Institute is a member of:
- International Organisation for Standardization (ISO)
- International Electrotechnical Commission (IEC)
- European Committee for Standardization (CEN)
- European Committee for Electrotechnical Standardization (CENELEC)
- European Telecommunications Standards Institute (ETSI) (status: NSO member)



CEN/TC 346

- Scope of CEN/TC 346, *Conservation of Cultural Heritage*:
- Characterisation of materials, the processes, practice, methodologies and documentation of conservation of tangible cultural heritage to support its preservation, protection and maintenance and to enhance its significance. It includes characterisation of deterioration processes and environmental conditions for cultural heritage and the products and technologies used for the planning and implementation of their conservation, restoration, repair and maintenance

Benefits of the CEN/TC 346



Objectives

develop specific normative documents which may concern:

- movable and immovable cultural heritage
- all materials constituting tangible cultural heritage
- all aspects of the environment of tangible cultural heritage
- all aspects or stages of the conservation process (terminology, examination, documentation, diagnosis, investigations, conservation work, monitoring, etc.)

Standards

- 17 standards published:
- HRN EN 15757:2011
- Očuvanje kulturnog dobra -- Specifikacije za temperaturu i relativnu vlažnost zbog ograničavanja klimatski uzrokovanog mehaničkog oštećenja organskih higroskopskih materijala (EN 15757:2010)
- Conservation of cultural property -- Specifications for temperature and relative humidity to limit climate-induced mechanical damage in organic hygroscopic materials (EN 15757:2010)
- HRN EN 15758:2011
- Očuvanje kulturnog dobra -- Postupci i instrumenti za mjerenje temperature zraka i površine predmeta (EN 15758:2010)
- Conservation of cultural property -- Procedures and instruments for measuring temperatures of the air and the surfaces of objects (EN 15758:2010)
- HRN EN 15759-1:2012
- Očuvanje kulturnoga dobra -- Unutarnja mikroklima -- 1. dio: Smjernice za grijanje crkava, kapela i drugih prostora namijenjenih bogoslužju (EN 15759-1:2011)
- Conservation of cultural property -- Indoor climate -- Part 1: Guidelines for heating churches, chapels and other places of worship (EN 15759-1:2011)
- HRN EN 15801:2011
- Očuvanje kulturnog dobra -- Metode ispitivanja -- Određivanje kapilarne vodupojnosti (EN 15801:2009)
- Conservation of cultural property -- Test methods -- Determination of water absorption by capillarity (EN 15801:2009)

Standards

- HRN EN 15802:2011
- Očuvanje kulturnog dobra -- Metode ispitivanja -- Određivanje statičkog dodirnog kuta (EN 15802:2009)
- Conservation of cultural property -- Test methods -- Determination of static contact angle (EN 15802:2009)

- HRN EN 15803:2011
- Očuvanje kulturnog dobra -- Metode ispitivanja -- Određivanje paropropusnosti (EN 15803:2009)
- Conservation of cultural property -- Test methods -- Determination of water vapour permeability (dp) (EN 15803:2009)

- HRN EN 15886:2011
- Očuvanje kulturnog dobra -- Metode ispitivanja -- Mjerenje boje površina (EN 15886:2010)
- Conservation of cultural property -- Test methods -- Colour measurement of surfaces (EN 15886:2010)

- HRN EN 15898:2012
- Očuvanje kulturnog dobra -- Glavni opći nazivi i definicije (EN 15898:2011)
- Conservation of cultural property -- Main general terms and definitions (EN 15898:2011)

Standards

- HRN EN 15946:2012
- Očuvanje kulturnoga dobra -- Načela pakiranja za prijevoz (EN 15946:2011)
- Conservation of cultural property -- Packing principles for transport (EN 15946:2011)

- HRN EN 15999-1:2014
- Očuvanje kulturne baštine -- Smjernice za izradu vitrina za izlaganje i zaštitu predmeta -- 1. dio: Opći zahtjevi (EN 15999-1:2014)
- Conservation of cultural heritage -- Guidelines for design of showcases for exhibition and preservation of objects -- Part 1: General requirements (EN 15999-1:2014)

- HRN EN 16085:2013
- Očuvanje kulturnoga dobra -- Metodologija uzorkovanja materijala od kojih je načinjeno kulturno dobro -- Osnovna pravila (EN 16085:2012)
- Conservation of Cultural property -- Methodology for sampling from materials of cultural property -- General rules (EN 16085:2012)

- HRN EN 16095:2013
- Očuvanje kulturnoga dobra -- Izvještaj o stanju pokretne baštine -- Vizualni pregled i opis stanja pokretne baštine (EN 16095:2012)
- Conservation of cultural property -- Condition recording for movable cultural heritage (EN 16095:2012)

- HRN EN 16096:2013
- Očuvanje kulturnoga dobra -- Utvrđivanje stanja nepokretne baštine (EN 16096:2012)
- Conservation of cultural property -- Condition survey and report of built cultural heritage (EN 16096:2012)

Standards

- HRN EN 16141:2013
- Očuvanje kulturnog dobra -- Smjernice za upravljanje uvjetima okoliša -- Otvorena skladišta: definicije i značajke sabirnih centara za očuvanje kulturne baštine i upravljanje njome (EN 16141:2012)
- Conservation of cultural heritage -- Guidelines for management of environmental conditions -- Open storage facilities: definitions and characteristics of collection centres dedicated to the preservation and management of cultural heritage (EN 16141:2012)

- HRN EN 16242:2013
- Očuvanje kulturnoga dobra -- Postupci i uređaji za mjerenje vlažnosti zraka i izmjene vlage zraka i kulturnoga dobra (EN 16242:2012)
- Conservation of cultural heritage -- Procedures and instruments for measuring humidity in the air and moisture exchanges between air and cultural property (EN 16242:2012)

- HRN EN 16302:2013
- Očuvanje kulturnoga dobra -- Metode ispitivanja -- Mjerenje upojnosti vlage pod niskim pritiskom (EN 16302:2013)
- Conservation of cultural property -- Test methods -- Measurement of water absorption by pipe method (EN 16302:2013)

- HRN EN 16322:2014
- Očuvanje kulturnoga dobra -- Metode ispitivanja -- Određivanje svojstava pri sušenju (EN 16322:2013)
- Conservation of Cultural Heritage -- Test methods -- Determination of drying properties (EN 16322:2013)

New work items

- prEN 16648, Conservation of cultural heritage - Transport methods
- FprEN 16455, Conservation of cultural heritage - Dissolution and determination of soluble salts in natural stone and related materials used in cultural heritage
- prEN 16572, Conservation of Cultural Heritage - Glossary of technical terms concerning mortars for masonry, renders and plasters used in cultural heritage
- Conservation of cultural property - Integrated Pest Management (IPM)
- CEN/TS 16163:2014 , Conservation of Cultural Heritage - Guidelines and procedures for choosing appropriate lighting for indoor exhibitions
- FprEN 16581, Conservation of Cultural Heritage - Surface protection for porous inorganic materials - Laboratory test methods for the evaluation of the performance of water repellent products
- Conservation of Cultural Heritage - Guidelines for improving energy performance of historically, architecturally or culturally valuable buildings
- Conservation of cultural heritage - Cleaning of porous inorganic materials - Laser cleaning techniques for cultural heritage
- prEN 16515, Conservation of Cultural Heritage - Guidelines to characterize natural stone used in cultural heritage
- prEN 16682 ,Conservation of Cultural Heritage - Guide to the measurements of moisture content in materials constituting movable and immovable cultural heritage

Criteria for assesment of NWIs

- the standardization objectives clearly demonstrate:
- a need for harmonization
- the standard will have financial, technical and economic benefits on the conservation of cultural heritage
- inappropriate practice currently exist

Drafting standards

- 11 WG
- need for experts
- CEN national members nominate delegates to CEN TCs and experts to Working Groups, ensuring a balance of all interested parties



HZN/TO 546



- HZN/TO 546, *Očuvanje kulturne baštine* mirror TC to CEN/TC 346, *Conservation of cultural heritage*
- founded: 2004-05-31
- 6 institutions delegated their representatives
- join HZN/TO 546!

Thank you for your attention!

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