

Update of the Activity of CEN TC 346-Conservation of Cultural Property-after a Six Year Period

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A specific European standardization activity in the field of Cultural Heritage started in 2004 with the scope to develop a common unified scientific approach to the problems relevant to the conservation/preservation of the Cultural Heritage.

After a six year period 7 EN standards has been published. Current work includes 13 active work items and 15 pre-adopted work items.

The structure of CEN TC 346 is constituted by 5 Working Groups (WGs) corresponding to the different main areas for which technical development work has to be done.

WG1-GENERAL GUIDELINES AND TERMINOLOGY

WG1 has the responsibility for the drafting of:

- guidelines on conservation planning, including monitoring,
- standards on terminology dealing with movable & immovable components as well as with deterioration processes including graphic and symbolic documentation.
- guidelines on security and safety conditions relating to the use of cultural heritage by the public.

The initial programme included the following work items:

WI 001	<i>Terminology</i> : scope of creating a common terminology as regards to movable and immovable tangible cultural heritage and its conservation.
WI 002	<i>Guide to the principles of conservation</i> : scope of establishing the different steps necessary to the knowledge of the tangible cultural heritage, the deterioration processes and the preservation work.
WI 003	<i>Condition report of cultural property</i> : scope of establishing a standard methodology to visually describe the condition of the tangible cultural heritage.
WI 004	<i>Security of cultural property and safety of the public</i> .

Update

EN 15898- Conservation of cultural property-Main general terms and definitions. Scope: this document defines the main general terms used in the field of conservation of cultural property with particular attention to those terms which have wide use or significance.

WI00346003: Glossary of damage: definition of damage terms determined by macroscopic examination as a first step to diagnosis.

This document was pre-adopted during the TC 346 of February 16, 2007 and its preparation was interrupted for the priority of drafting EN 15898. Its drafting will re-start at the next WG1 meeting.

prEN 16095- Conservation of cultural property-Condition recording of movable heritage. Scope: this standard sets out the purpose and context of a condition report, its status as a document and the minimum essential contents that should be included in all forms of a report in order to record condition satisfactorily for a permanent record.

One more meeting is needed (on May 2011) to resolve comments after CEN Enquiry.

pr EN 16096- Conservation of cultural property-Condition survey and report of built cultural heritage. Scope: this European standard specifies the requirements for a condition survey of built cultural heritage. It states how the condition on the built cultural heritage should be registered, examined, documented and reported on.

Resolved comments after CEN Enquiry. Ready for Formal Vote

WG 2-MATERIALS CONSTITUTING CULTURAL PROPERTY

WG2 has the responsibility to define tests and analyses methods for:

- the characterization of the materials constituting the cultural property,
- the evaluation of the state of conservation/preservation of the cultural property

The initial programme included the following work items:

WI 005	<i>Diagnosis on buildings surfaces and structure:</i> scope of establishing analytical procedures for the characterisation of cultural property and of their state of conservation with regards to outdoor and indoor environmental parameters.
WI 006	<i>Characterization and classification of paint and paintings:</i> scope of establishing analytical procedures for the characterisation of pigments and binding media on wall paintings and polychrome sculpture.
WI 007	<i>Characterisation of the state of conservation/preservation of stone and related building materials:</i> scope of establishing analytical procedures for the chemical-physical-petrographical characterisation of the state of conservation of cultural property.
WI 008	<i>Characterisation of historical mortars:</i> scope of establishing the analytical procedure for the identification of lime mortars, hydraulic mortars traditionally used in historical buildings.

Update

prEn 16085- Conservation of cultural property- Methodology for sampling from materials of cultural property-general rules

Scope: this standard provide a methodology and criteria for sampling cultural property materials for their scientific investigation, for example to characterize the type of material(s), assess the condition, determine the deterioration causes and/or mechanism(s), decide on and/or evaluate the conservation treatment(s). Apart from sampling, this document also provides requirements for documentation and handling of sample(s).

Resolved comments after CEN Enquiry-Ready for Formal Vote.

Draft documents to be **adopted** at the Copenhagen meeting (April 2011)

WI 00346024-Conservation of cultural property - Glossary of technical terms concerning mortars for masonry, render & plasters used in cultural heritage

WI 00346026-Conservation of cultural property - Determination of soluble salts in natural stone and related artificial materials used in cultural heritage

Draft documents already **pre-adopted** and under discussion

WI 00346025-Conservation of cultural property - Characterization of mortars found in cultural heritage

WI 00346027-Conservation of cultural property-Characterization of natural stone for conservation purposes

Proposals for **pre-adoption** and **call for experts** to create new TGs:

-Conservation of cultural property-Diagnosis of building structure-Guidelines for on-site investigations on masonry structures.

-Conservation of cultural property-Waterlogged archaeological wood-guidelines for characterization.

WG 3 – EVALUATION OF METHODS AND PRODUCTS FOR CONSERVATION WORKS

WG 3 has the responsibility of drafting documents on criteria to select methods and/or products and operating/working conditions in relation to the conservation/restoration, repair, maintenance and preventive conservation works; and of drafting documents on the evaluation of the methodologies to be used.

The initial programme included the following work items:

<i>WI 009</i>	<i>Surface protection for porous inorganic materials-Evaluation of methods and products.</i>
<i>WI 010</i>	<i>Consolidation products-Evaluation of methods and products.</i>
<i>WI 011</i>	<i>Cleaning products-Evaluation of methods and products.</i>
<i>WI 011bis</i>	<i>Chemical control of bio deterioration-Evaluation of methods and products</i>
<i>WI 012</i>	<i>Cultural heritage - Conservation of archaeological remains/objects - Evaluation of methods and products.</i>

Update

Pre-adoption WI 00346001-Resolution 12/2005-Conservation of cultural property-Surface protection for porous inorganic materials-Evaluation of methods and products. Scope: giving guidelines on test methods and methods of analysis (in laboratory and in-situ) for the evaluation of the performance of the products and of the methodologies to be used in protection of cultural property.

This draft is actually under discussion and will be adopted in April 2011.

Published standards

EN 15801:2010 - Conservation of cultural property -Test methods -
Determination of water absorption by capillarity

EN 15802:2010 - Conservation of cultural property -Test methods -
Determination of static contact angle

EN 15803:2010 - Conservation of cultural property -Test methods -
Determination of water vapour permeability (δp)

EN 15886:2010 - Conservation of cultural property - Test methods -
Colour measurement of surfaces

The following draft documents has been sent to CEN Enquiry on March
2011:

-WI 00346021-Test methods-Water absorption under low pressure.

-WI 00346022-Test methods-Determination of drying properties.

WG 4 – ENVIRONMENT

WG4 has the responsibility for the drafting of guidelines for the control of
environmental variables, and of standards on the measurement of indoor,
including exhibition and storage conditions, and outdoor environmental
conditions, and on cultural property/environment interaction.

The initial programme included the following work items:

<i>WI 013</i>	<i>Specifications on environmental conditions</i>
<i>WI 014</i>	<i>Guidelines on the measurement of environmental parameters</i>

Update

Published standards:

EN 15757:2010- Conservation of cultural property - Specifications for
temperature and relative humidity to limit climate- induced mechanical
damage in organic hygroscopic materials.

EN 15758:2010- Conservation of cultural property Procedures and
instruments for measuring temperatures of the air and the surfaces of
objects.

prEN 15759-1 Conservation of Cultural Property - Indoor climate – Part 1:
Guidelines for heating churches, chapels and other places of worship.
Dispatch to FV April 13, 2011

Draft documents under discussion:

prEN 15999-1- Conservation of cultural property - Guidelines for management of environmental conditions-Recommendations for showcases used for exhibition and preservation of cultural heritage-Part I General requirements.

CEN Enquiry closed February 2010. London meeting (February 2011) decision to split in two parts and sending out of part 1 to the second CEN Enquiry.

prEN 15999-2- Conservation of cultural property - Guidelines for management of environmental conditions-Recommendations for showcases used for exhibition and preservation of cultural heritage: Part II Technical aspects. To be prepared.

prEN 16141- Conservation of cultural property - Guidelines for management of environmental conditions-Open storage facilities: definitions and characteristics of collection centres dedicated to the preservation and management of cultural heritage.

CEN Enquiry closed – February 2011

prEN 16163- Conservation of cultural property Exhibition lightning of cultural property.

CEN Enquiry closed – March 2011

prEN 16242- Conservation of cultural property - Procedures and instruments for measuring humidity in the air and moisture exchanges between air and cultural property.

Under CEN Enquiry - closing July 2011

WI activated and under preparation for Enquiry:

WI 00346028 - Conservation of cultural property – Integrated Pest Management (IPM)

WI 00346029 - Conservation of cultural Property - New sites and buildings intended for the storage and use of collections

WI 00346030 -prEN 15759-2 Conservation of cultural Property - Indoor climate – Part 1: Ventilation in historic houses

WI 00346031 - Conservation of cultural property - Assessment method of cultural heritage degradation risks

Proposals for pre-adoption of new WIs and call for experts:

WI 00346033-Conservation of cultural property-Assessment and measures for energy efficiency in protected buildings

WI 00346034-Conservation of cultural property – Procedures and instruments for measuring moisture content in objects and building material

WG 5 – TRANSPORTATION AND PACKING METHOD

WG 5 has the responsibility for the drafting of standards on methods of packaging and transportation of cultural heritage outside the institutions.

<i>WI 015</i>	<i>Cultural heritage — Principles of transportation and packing of cultural property.</i> This standard has the scope of giving a guideline for the choice and the control of the microclimate finalized to the transportation and packing of cultural property
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FprEN 15946-Conservation of cultural property-Packing principles for transport.

Preparation of a standard on transport has started in 2009.

The following **Liason** has been established under request of the International organizations:

ICOM-CC, International Council of Museums Conservation Committee. Draft Resolution 31/2007.

IIC-International Institute for Conservation-Draft Resolution 41/2008.

E.C.C.O. European Confederation of Conservator-Restorers Organizations. Draft Resolution 42/2009.

UIA-The International Union of Architects. Draft Resolution- 62/2009

ICOMOS -The International Council on Monuments and Sites. Draft Resolution-84/2010

IFLA-International Federation of Library Associations and Institutions. Draft Resolution-88/2010