



ISO Form 4

NEW WORK ITEM PROPOSAL (NP)

Circulation date: 2025-06-09	Reference number: ISO/NP 25977 ISO/TC 296 N 206
Closing date for voting: 2025-09-01	
Proposer SAC	
Secretariat SAC	

A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee.

A proposal for a new project committee shall be submitted to the Central Secretariat, which will process the proposal in accordance with ISO/IEC Directives, Part 1, Clause 2.3.

Guidelines for proposing and justifying new work items or new fields of technical activity (Project Committee) are given in ISO/IEC Directives, Part 1, Annex C.

IMPORTANT NOTE: Proposals without adequate justification and supporting information risk rejection or referral to the originator.

☒ The proposer confirms that this proposal has been drafted in compliance with Annex C of ISO/IEC Directives, Part 1.

PROPOSAL

(to be completed by the proposer, following discussion with committee leadership if appropriate)

TITLE**English title:**

Bamboo mat

French title:

(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)

SCOPE

This document specifies the technical requirements, test methods and requirements for the handling, storage, packaging and marking of bamboo mat. It is applicable to painted and unpainted bamboo mat, including bamboo mat for beds, cushions, pillows and carpets made of bamboo sticks, bamboo slivers and bamboo blocks as the main elements.

PURPOSE AND JUSTIFICATION

Bamboo mat is widely used in Europe, the United States, Southeast Asia, Japan, South Korea, Africa and other countries/regions. Based on the database from International Organization of Bamboo and Rattan (INBAR), trade in bamboo mat products reached \$85 million in 2022. The processing units of bamboo mat are diversified, which can be bamboo sticks or bamboo block. Therefore, different kinds of bamboo units on diameter levels can be used as raw materials to maximize the utilization of bamboo resources. As a household item commonly used for cooling in summer, the quality and safety of bamboo mats directly affect the health and even personal safety of consumers, such as excessive formaldehyde, poor color fastness quality, bamboo thorn stabbing, skin allergic reaction and other product quality problems. Therefore, it is necessary to improve the relevant product standards. To date, there is no international standard. China, the main producer of bamboo mat, has published the industry standard LY/T 1843-2009 "Bamboo Mat" and the national standard GB/T 38780-2020 "Bamboo Mat", which improve and standardize the production quality control of bamboo mat products, unify the quality inspection basis of products, and protect the interests of consumers. It has played a positive and effective role on the development of bamboo mat. However, some test item set in the standard, such as appearance quality, physical and chemical performance testing methods, are not in consistence with international standards, especially safety requirements, which will not be conducive to the international trade of bamboo mat products. Hence, it is essential to formulate an international standard for bamboo mat products to provide effective guidance to manufacturers, consumers, and industrial enterprises. By the way, the increase of international trade on bamboo mat can promote more and more countries to reduce plastic pollution and combat climate change, which can accelerate the implementation of the active act of the United Nations in 2030 Sustainable Development Aired agenda.

Sustainable Development Goals (SDGs)**Goal 1: No Poverty**

The manufacture of bamboo mat can raise incomes and create livelihoods for smallerholder producers and artisans.

Goal 3: Good Health and Well-Being for People

Natural bamboo mat can contribute to healthier indoor environments by reducing exposure to harmful substances, in this way, to ensure health and safety.

Goal 8: Decent Work and Economic Growth

Bamboo mat production support skilled employment, while supporting local industries and sustainable economic growth

Goal 11: Sustainable Cities and Communities

Bamboo domestic mat can be used as alternative for traditional carpet, cushion, or bed sheet, but in eco-friendly way

Goal 12: Responsible Consumption and Production

Bamboo is a fast-growing, renewable resource, using it responsibly reduces pressure on forests and supports circular material flows, at the same time, reduce waste

Goal 13: Climate Action

Bamboo acts as a significant carbon sink and generates rapidly, making it ideal for climate-resilient production systems

Preparatory work

- ☒ A draft is attached ☐ An outline is attached ☐ An existing document serving as the initial basis is attached

The proposer is prepared to undertake the preparatory work required:

- ☒ Yes ☐ No

If a draft is attached to this proposal:

Please select from one of the following options:

- ☒ The draft document can be registered at Preparatory stage (WD – stage 20.00)
☐ The draft document can be registered at Committee stage (CD – stage 30.00)
☐ The draft document can be registered at enquiry stage (DIS – stage 40.00)

If the attached document is copyrighted or includes copyrighted content:

- ☒ The proposer confirms that copyright permission has been granted for ISO to use this content in compliance with the ISO/IEC Directives, Part 1 (see also the Declaration on copyright).

Is this proposal for an ISO management System Standard (MSS)?

- ☐ Yes ☒ No

Note: If yes, this proposal must have an accompanying justification study. Please see the Consolidated Supplement to the ISO/IEC Directives, Part 1, Annex SL or Annex JG

Indication of the preferred type to be developed

- ☒ International Standard ☐ Technical Specification
☐ Publicly Available Specification *

* While a formal NP ballot is not required to start developing a PAS (no eForm04), the NP form may provide useful information for the committee P-members to consider when deciding to initiate a Publicly Available Specification.

Proposed Standard Development Track (SDT – to be discussed by the proposer with the committee manager or ISO/CS)

- ☐ 18 months ☐ 24 months ☒ 36 months

Draft project plan (as discussed with committee leadership) Proposed date for first meeting: 2025-11-07 Dates for key milestones: Circulation of 1st Working Draft (if any) to experts: 2025-09-12 <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Committee Draft consultation (if any): 2027-03-02 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> DIS submission*: 2027-10-30 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Publication*: 2028-04-26 </div> <p style="font-size: small; margin-top: 10px;">* Target Dates for DIS submission and Publication should be set a few weeks ahead of the limit dates automatically determined when selecting the SDT.</p> <p style="font-size: small;">NOTE: ISO/Meetings and ISO/Projects allow you to register and continuously update the meeting dates and project target dates during the development of the project.</p>	
Known patented items (see ISO/IEC Directives, Part 1 for important guidance) <div style="display: flex; align-items: center; margin-top: 5px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div> <p style="font-size: small; margin-top: 10px;">If "Yes", provide full information as annex</p>	
Co-ordination of work: To the best of your knowledge, has this or a similar proposal been submitted to another standards development organization? <div style="display: flex; align-items: center; margin-top: 5px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div> <p style="font-size: small; margin-top: 10px;">If "Yes", please specify which one(s):</p>	
Listing of relevant documents (such as standards and regulations) at international, regional and national level <div style="font-size: small; color: #0070C0; margin-top: 10px;"> <p>ISO105-X12, Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing.</p> <p>ISO 3856-1, Paints and varnishes - Determination of "soluble" metal content - Part 1: Determination of lead content.</p> <p>ISO 3856-4, Paints and varnishes - Determination of "soluble" metal content - Part 4: Determination of cadmium content - Flame atomic absorption spectroscopic method and polarographic method.</p> <p>ISO 3856-6, Paints and varnishes - Determination of "soluble" metal content; - Part 6: Determination of total chromium content of the liquid portion of the paint - Flame atomic absorption spectrometric method.</p> <p>ISO 3856-7, Paints and varnishes - Determination of "soluble" metal content - Part 7: Determination of mercury content of the pigment portion of the paint and of the liquid portion of water - dilatable paints - Flameless atomic absorption spectrometric method.</p> <p>ISO 9426, Wood-based panels - Determination of dimensions of panels.</p> <p>ISO 12460-1: 2007, Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the 1-cubic-metre chamber method.</p> <p>ISO 16979, Wood-based panels - Determination of moisture content.</p> <p>ISO 21629-1, Bamboo floorings - Part 1: Indoor use ISO 21625, Vocabulary related to bamboo and bamboo products.</p> </div>	
Identification and description of relevant affected stakeholder categories (Please see ISO CONNECT)	
Industry and commerce - large industry	Benefits/Impacts/Examples <div style="color: #0070C0; font-size: small;"> <p>Improve their management capacity, as well as stabilize and improve bamboo mat quality.</p> <p>Zhejiang Anji Xi Decoration Multi Household Products Co., Ltd.</p> </div>
Industry and commerce - SMEs	<div style="color: #0070C0; font-size: small;"> <p>Improve their management capacity, as well as stabilize and improve bamboo mat quality.</p> </div>

Government

Promote more and more countries to reduce plastic pollution and combat climate change, which can accelerate the implementation of the active act of the United Nations in 2030 Sustainable Development Aired agenda. On the other hand, to offer scientific and standardized method to evaluation the products quality and expand the size of the international trade.

China, India, Nepal, Viet Nam, Malaysia, Colombia, and Philippines, etc.

Consumers

Be offered bamboo mat with high-quality, safety, and eco-friendly. Reducing plastic pollution and combating climate change.

Franch, Netherland, United states, and Australia, etc.

Labour

Improve the production efficiency and products quality. Increase income and reduce poverty.

China, India, Nepal, Viet Nam, Malaysia, Colombia, and Philippines, etc.

Academic and research bodies

Offer scientific and standardized method to evaluation the products quality and expand the applications of bamboo. International Network for Bamboo and Rattan (INBAR), Bureau of Philippine Standards, Njing Forestry University, etc.

Standards application businesses

Enhance mutual communications, promote the international trade, provide market access for bamboo mat.

Zhejiang Anji Xi Decoration Multi Household Products Co., Ltd. Anji Hengsheng Bamboo and wood Industry Co., Ltd., etc.

Non-governmental organizations

Promote more and more countries to reduce plastic pollution and combat climate change, which can accelerate the implementation of the active active act of the United Nations in 2030 Sustainable Development Aired agenda. On the other hand, to offer scientific and standardized method to evaluation the products quality and expand the size of the international trade.

International Network for Bamboo and Rattan (INBAR); China Bamboo Industry Association; Zhejiang Bamboo flooring Industry Association, etc.

Other (please specify)

<p>Liaisons:</p> <p>A listing of relevant external international organizations or internal parties (other ISO and/or IEC committees) to be engaged as liaisons in the development of the deliverable.</p> <p>International Bamboo and Rattan Organization (INBAR), ISO/TC 136</p>	<p>Joint/parallel work:</p> <p>Possible joint/parallel work with:</p> <p><input type="checkbox"/> IEC (please specify committee ID)</p> <p><input type="checkbox"/> CEN (please specify committee ID)</p> <p><input type="checkbox"/> Other (please specify)</p>
<p>A listing of relevant countries which are not already P-members of the committee.</p> <p>Note: The Committee Manager shall distribute this NP to the ISO members of the countries listed above to ask if they wish to participate in this work</p>	
<p>Proposed Project Leader (name and e-mail address)</p> <p>Xinzhou Wang xzwang@njfu.edu.cn</p>	<p>Name of the Proposer (include contact information)</p> <p>Bamboo mat sac_82261017@126.com</p>
<p>This proposal will be developed by:</p> <p><input checked="" type="checkbox"/> An existing Working Group: ISO/TC 296/WG 6 Bamboo articles for daily use</p> <p><input type="checkbox"/> A new Working Group:</p> <p>(Note: establishment of a new Working Group requires approval by the parent committee)</p> <p><input type="checkbox"/> The TC/SC directly</p> <p><input type="checkbox"/> To be determined:</p>	

Supplementary information relating to the proposal

- ☒ This proposal relates to a new ISO document
- ☐ This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item
- ☐ This proposal relates to the re-establishment of a cancelled project as an active project

Other:

Maintenance agencies (MA) and registration authorities (RA)

- ☐ This proposal requires the designation of a maintenance agency. If so, please identify the potential candidate:
- ☐ This proposal requires the designation of a registration authority. If so, please identify the potential candidate:

NOTE: Selection and appointment of the MA or RA are subject to the procedure outlined in ISO/IEC Directives, Part 1, Annex G and Annex H.

- ☐ Annex(es) are included with this proposal (provide details)

Additional information/question(s)