



Form 4: New Work Item Proposal

Circulation date: 2016-02-05 Closing date for voting: 2016-05-05	Reference number: TMB/NP (to be given by Central Secretariat)
Proposer ISIRI	ISO/TC Click here to enter text. /SC Click here to enter text. <input checked="" type="checkbox"/> Proposal for a new PC
Secretariat Click here to enter text.	

A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee with a copy to the Central Secretariat and, in the case of a subcommittee, a copy to the secretariat of the parent technical committee. Proposals not within the scope of an existing committee shall be submitted to the secretariat of the ISO Technical Management Board.

The proposer of a new work item may be a member body of ISO, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Technical Management Board or one of the advisory groups, or the Secretary-General.

The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information.

IMPORTANT NOTE: Proposals without adequate justification risk rejection or referral to originator.

Guidelines for proposing and justifying a new work item are contained in [Annex C of the ISO/IEC Directives, Part 1](#).

The proposer has considered the guidance given in the [Annex C](#) during the preparation of the NWIP.

Proposal (to be completed by the proposer)

<p>Title of the proposed deliverable.</p> <p>English title: Urban pedestrian bridge (footbridge) assemblies - location</p> <p>French title (if available): Click here to enter text.</p> <p><i>(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)</i></p>
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Scope of the proposed deliverable.

This standard specifies location requirements of Urban pedestrian bridge (footbridge) assemblies in cities. Pedestrian bridges outside of cities are not covered by this standard. This International Standard is also intended to facilitate the understanding of installers of urban pedestrian bridges and municipalities.

Purpose and justification of the proposal*

The purpose of this international standard will be to:

- 1) Provide characteristics for the installation of urban pedestrian bridges.
- 2) Facilitate the understanding of installers of urban pedestrian bridges.

Justification:

A pedestrian bridge, also called a footbridge, is simply a bridge, whether over land or water, that is designed for pedestrian traffic. Often, footbridges are constructed to provide pedestrians a safe way to cross from one side of a busy road to the other without having to dash across, running the risk of being knocked down by speeding vehicles. Footbridges also help to ease traffic.

Pedestrian bridges can be useful for linking buildings or popular destinations such as shopping centres, large schools, recreational facilities, parking garages, and light rail stations. Such bridges allow people in one building to access another building across the street without having to go outside to cross the street. They are also useful for linking areas separated by highways or freeways.

Locating pedestrian bridges must be based on criteria such as consideration of important infrastructure, including: schools, universities, hospitals and crowded places.

Locating pedestrian bridges should be based on the type of street to ensure the safe passage of pedestrians. In choosing a location, the speed of vehicle traffic and other issues related to urban development must be considered.

Pedestrian bridges should be located to serve pedestrians. This will ensure that the use of any bridge is maximized. The natural topography should also be considered in determining suitable locations for pedestrian bridges.

Factors to be considered range from traffic, physical, visual and landscape aspects to economic, social and environmental as well.

Bridges should be accessible to all pedestrians and cyclists as well as mobility impaired people who may require ramps.

Bridges can be prominent structures offering opportunities to create new landmarks and to incorporate the cultural and historic values of the area into the design.

The importance of pedestrian bridges is the following:

- Pedestrian Safety
- Traffic reduction
- Accident reduction
- Protection of architecture of cities(Urban furniture)

The location of pedestrian bridges should consider characteristics such as:

- *The volume of pedestrian traffic
- *The volume of vehicle traffic
- *Distance vision of vehicle stop
- *The time required for pedestrians to cross the street
- *Vehicle speeds
- *Distance from adjacent pedestrian crossings
- *Distance from adjacent intersections

Consider the following: Is there a verified market need for the proposal? What problem does this standard solve? What value will the document bring to end-users? See Annex C of the ISO/IEC Directives part 1 for more information.

See the following guidance on justification statements on ISO Connect:
<https://connect.iso.org/pages/viewpage.action?pageId=27590861>

Preparatory work (at a minimum an outline should be included with the proposal)

A draft is attached An outline is attached An existing document to serve as initial basis

The proposer or the proposer's organization 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 (note that if no option is selected, the default will be the first option):

Draft document will be registered as new project in the committee's work programme (stage 20.00)

Draft document can be registered as a Working Draft (WD – stage 20.20)

Draft document can be registered as a Committee Draft (CD – stage 30.00)

Draft document can be registered as a Draft International Standard (DIS – stage 40.00)

Is this a Management Systems Standard (MSS)?

Yes No

NOTE: if Yes, the NWIP along with the Justification study (see [Annex SL](#) of the Consolidated ISO Supplement) must be sent to the MSS Task Force secretariat (tmb@iso.org) for approval before the NWIP ballot can be launched.

Indication(s) of the preferred type or types of deliverable(s) to be produced under the proposal.

International Standard Technical Specification

Publicly Available Specification Technical Report

Proposed development track

1 (24 months)

2 (36 months - default)

3 (48 months)

Note: Good project management is essential to meeting deadlines. A committee may be granted only one extension of up to 9 months for the total project duration (to be approved by the ISO/TMB).

Known patented items (see ISO/IEC Directives, Part 1 for important guidance)

Yes No

If "Yes", provide full information as annex

Co-ordination of work: To the best of your knowledge, has this or a similar proposal been submitted to another standards development organization?

Yes No

If "Yes", please specify which one(s):

[Click here to enter text.](#)

A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing ISO and IEC deliverables. The proposer should explain how the work differs from apparently similar work, or explain how duplication and conflict will be minimized.

The proposed work will consider the important requirements of locating pedestrian bridges for people's safety. The safety of users must be considered in the bridge location and design.

A listing of relevant existing documents at the international, regional and national levels.

- 1-AASHTO GSDFPB -Guide Specifications for Design of FRP Pedestrian Bridges, 1st Edition, 2008
- 2- AASHTO HB-17 - Standard Specifications for Highway Bridges, 17th Edition
- 3-AASHTO GSDPB-2 Guide Specifications for Design of Pedestrian Bridges Edition: 2nd
- 4-AASHTO's LRFD Bridge Design Specifications and ADA Standards for Accessible Design.
- 5-Department of Justice. (2010). 2010 ADA Standards for Accessible Design. Washington, DC: Department of Justice.
- 6-ISO 18649:2004 Mechanical vibration -- Evaluation of measurement results from dynamic tests and investigations on bridges
- 7-ISO14963:2003 Mechanical vibration and shock -- Guidelines for dynamic tests and investigations on bridges and viaducts
- 8-ISO 7010 Graphical symbols -- Safety colors and safety signs -- Registered safety signs
- 9-Australian standard AS5100 Bridge design
- 10-BS 5400-2:2006 Steel, concrete and composite bridges. Specification for loads
- 11-CENTR 1317-6 " Road restraint systems - Part 6: Pedestrian restraint system - Pedestrian parapets

A simple and concise statement identifying and describing relevant affected stakeholder categories (including small and medium sized enterprises) and how they will each benefit from or be impacted by the proposed deliverable(s)

The result of this proposed work should help ensure pedestrian safety, reduce traffic, reduce accidents, protect the architecture of cities (Urban furniture) and it will benefit installers of pedestrian bridges including small and medium sized enterprises and municipalities. Coordination between firms will be improved in order to build safer bridges for pedestrians through the implementation of standards.

<p>Liaisons: 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(s). TC/SC: ISO/TC 108/SC 2 ISO/TC 156-Corrosion of metals and alloys ISO/TC 167-Steel and aluminium structures ISO/TC 17-Steel ISO/TC 105-Steel wire ropes ISO/TC 111-Round steel link chains, chain slings ISO/TC 71/SC 5 -Simplified design standard for concrete structures ISO/TC 98- Bases for design of structures</p>	<p>Joint/parallel work: Possible joint/parallel work with: <input type="checkbox"/> IEC (pleasespecify committee ID) Click here to enter text. <input type="checkbox"/> CEN (pleasespecify committee ID) Click here to enter text. <input type="checkbox"/> Other (pleasespecify) Click here to enter text.</p>
<p>A listing of relevant countries which are not already P-members of the committee. Click here to enter text.</p> <p>Note: The committee secretary shall distribute this NWIP to the countries listed above to see if they wish to participate in this work</p>	
<p>Proposed Project Leader (name and e-mail address) Shahla Habibi Vahed Zanjani(Dr.)- shhabibip@standard.ac.ir</p>	<p>Name of the Proposer (include contact information) ISIRI standarddevelopment@isiri.org.ir</p>
<p>This proposal will be developed by:</p> <p><input type="checkbox"/> An existing Working Group (please specify which one: Click here to enter text.) <input type="checkbox"/> A new Working Group (title: Click here to enter text.) (Note: establishment of a new WG must be approved by committee resolution)</p> <p><input type="checkbox"/> The TC/SC directly <input checked="" type="checkbox"/> To be determined</p>	
<p>Supplementary information relating to the proposal</p> <p><input checked="" type="checkbox"/> This proposal relates to a new ISO document; <input type="checkbox"/> This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item; <input type="checkbox"/> This proposal relates to the re-establishment of a cancelled project as an active project. Other: Click here to enter text.</p>	

- Annex(es) are included with this proposal (give details)

Annex 1 Items proposed for Urban Pedestrian Bridges (footbridge) assemblies-
location

Introduction

1. Scope

2. Normative references
To be defined

3. Terms and definitions

4. Requirements

5. Apparatus
To be defined

Annex A (normative) if necessary

Annex B (informative)) if necessary