BS ISO 19026:2015

BSI Standards Publication

Accessible design — Shape and colour of a flushing button and a call button, and their arrangement with a paper dispenser installed on the wall in public restroom

bsi.

...making excellence a habit.™

National foreword

This British Standard is the UK implementation of ISO 19026:2015.

The UK participation in its preparation was entrusted to Technical Committee CH/173, Assistive products for persons with disability.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2015.
Published by BSI Standards Limited 2015

ISBN 978 0 580 86996 9

ICS 13.180; 91.040.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2015.

Amendments/corrrigenda issued since publication

Date	Text affected

BS ISO 19026:2015

INTERNATIONAL STANDARD

ISO 19026

First edition
2015-12-15

Accessible design — Shape and colour of a flushing button and a call button, and their arrangement with a paper dispenser installed on the wall in public restroom

Conception accessible — Forme et couleur d'un bouton de rinçage et d'un bouton d'appel, et leur combinaison avec un distributeur de papier installé sur le mur de toilettes publiques

Reference number
ISO 19026:2015(E)

© ISO 2015

COPYRIGHT PROTECTED DOCUMENT

© ISO 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Figuration of a flushing button and a call button **2**
5 Colour and contrast of a flushing button and a call button **2**
5.1 Colours of buttons 2
5.2 Contrast between the colours of a flushing button and a call button and the surrounding colours 2
6 Arrangement of a flushing button, a call button, and a paper dispenser **2**

© ISO 2015 – All rights reserved

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 173, *Assistive products for persons with disability*, Subcommittee SC 7, *Accessible design*.

© ISO 2015 – All rights reserved

Introduction

Regarding public restrooms, products for the facility have been improved and new functions have been added in toilet compartments which make public restrooms more accessible to users. On the other hand, types of operating buttons have been diversified and they are placed in random locations. Also, operating methods have been diversified and the difficulty of discrimination and the use of the buttons have been raised as an issue. As users use toilet compartments alone in most cases unless s/he needs an attendant, it is impossible to ask someone the whereabouts of a flushing button and a call button or ask for help. Especially, persons with visual disabilities have difficulty to find a flushing button and a call button when the arrangement of these buttons differs with places. This problem is not limited only to persons with disabilities, but also to older persons. This International Standard aims to solve problems which older persons and persons with disabilities encounter when they use public restrooms.

© ISO 2015 – All rights reserved

INTERNATIONAL STANDARD ISO 19026:2015(E)

Accessible design — Shape and colour of a flushing button and a call button, and their arrangement with a paper dispenser installed on the wall in public restroom

1 Scope

This International Standard specifies shapes and colours of a flushing button and a call button of lavatory which are installed on the wall and their arrangement with a paper dispenser. This International Standard is only applicable in case of installing a flushing button and/or a call button on the wall of seat-type lavatory in public restrooms (general toilet compartments and toilet compartments with various functions) used by an unspecified large number of people, except restrooms with a big paper holder where it is difficult to place a flushing button and a call button above the holder, and Type A toilet with lateral transfer from both sides of ISO 21542.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 21542:2011, *Building construction — Accessibility and usability of the built environment*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
public restroom
restroom used by an unspecified large number of people, installed in highly public buildings and facilities such as railroad stations, airports, parks, assembly halls, hospitals, department stores, hotels, and offices

3.2
general toilet compartment
compartment set up with seat-type lavatory without special consideration for wheelchair users

3.3
toilet compartment with various functions
large compartment set up with seat-type lavatory with consideration for wheelchair users and babies and/or small children

3.4
flushing button
push-button switch of toilet flushing equipment

3.5
call button
push-button switch for assistance alarm

3.6
paper dispenser
equipment to house toilet paper

© ISO 2015 – All rights reserved

4 Figuration of a flushing button and a call button

The figuration of a flushing button shall be a round or oval shape. The figuration of a call button shall be easily distinguishable from the flushing button (for example, quadrangle, rectangle, or triangle) by touch. The sizes of a flushing button and a call button shall be easy to push by a finger, as well as a palm or top of a hand.

The height of a button should be stuck out from the surrounding surface so that persons with visual disabilities can recognize the button by the touch.

5 Colour and contrast of a flushing button and a call button

The colours of a flushing button and a call button and its contrast with the surrounding colours are defined as follows.

NOTE The surrounding mentioned in this International Standard is the area adjacent to a flushing button and a call button.

5.1 Colours of buttons

The colours of a flushing button and a call button shall be different enough to be distinguishable from each other.

NOTE A call button is usually coloured in red because it is used for the purpose of assistance alarm.

5.2 Contrast between the colours of a flushing button and a call button and the surrounding colours

The contrast between the colours of a flushing button and a call button and the surrounding colours shall be retained. (See visual contrast in ISO 21542:2011, B.7).

6 Arrangement of a flushing button, a call button, and a paper dispenser

Arrangement of a flushing button, a call button, and a paper dispenser is defined as follows:

a) a flushing button, a call button, and a paper dispenser shall be arranged in a way that most users can operate and users with visual disabilities can recognize easily. Various postures such as sitting and standing shall be taken into consideration;

b) a flushing button, a call button, and a paper dispenser shall be arranged in a group on either side of the wall;

c) a flushing button shall be installed on the upper side of a paper dispenser. A call button shall be placed at the same height as a flushing button and placed toward the rear of a toilet seat;

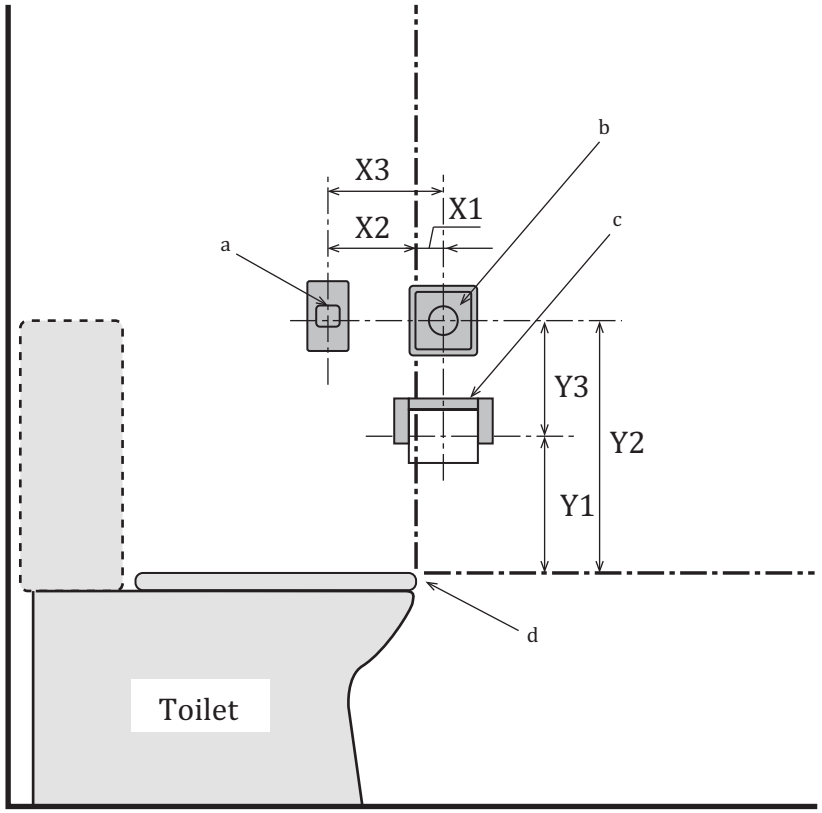
d) a flushing button, a call button, and a paper dispenser should be established in the position that satisfies the conditions given in Figure 1 and Table 1;

e) if other pieces of equipment such as a handrail, a remote controller for washing equipment with warm water, and/or a wash basin are installed on the same surface of the wall with a flushing button, a call button, and a paper dispenser, those pieces of equipment shall be arranged in a way that they do not interfere the use and operation of a flushing button, a call button, and a paper dispenser;

f) even if the dimensions do not conform to Figure 1 and Table 1 due to the figuration of a paper dispenser or the surface condition of the side wall of the compartment, the positional relationship described in c) shall be maintained;

g) another call button or a pull cord should be placed at the minimum height of 100 mm and towards the front side of the flushing button in places where users can operate it easily even in a fallen posture.

© ISO 2015 – All rights reserved



Key

a Call button.

b Flushing button.

c Paper dispenser.

d Tip of the upper surface of a toilet seat.

Figure 1 — Arrangement of a flushing button, a call button, and a paper dispenser

Table 1 — Arrangement and sizes of a flushing button, a call button, and a paper dispenser

Dimensions in millimetres

Equipment	Horizontal distance from the tip of the upper surface of a toilet seat (base point)	Perpendicular distance from the tip of the puper surface of a toilet seat (base point)	Distance between the two
Paper dispenser	X1: Toward the head of a toilet seat: Approx 0 to 100	Y1: Toward the head of a toilet seat Approx 150 to 400	—
Flushing button		Y2: Toward the head of a toilet seat: Approx 400 to 550	Y3: Approx 100 to 200 (Perpendicular distance from a paper rolling equipment)
Call button	X2: Toward the rear of a toilet seat: Approx 100 to 200		X3: Approx 200 to 300 Horizontal distance from a flushing button

© ISO 2015 – All rights reserved

ICS 91.040.10; 13.180

Price based on 3 pages

© ISO 2015 – All rights reserved

This page deliberately left blank

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

British Standards Institution (BSI)

BSI is the national body responsible for preparing British Standards and other standards-related publications, information and services.

BSI is incorporated by Royal Charter. British Standards and other standardization products are published by BSI Standards Limited.

About us

We bring together business, industry, government, consumers, innovators and others to shape their combined experience and expertise into standards -based solutions.

The knowledge embodied in our standards has been carefully assembled in a dependable format and refined through our open consultation process. Organizations of all sizes and across all sectors choose standards to help them achieve their goals.

Information on standards

We can provide you with the knowledge that your organization needs to succeed. Find out more about British Standards by visiting our website at bsigroup.com/standards or contacting our Customer Services team or Knowledge Centre.

Buying standards

You can buy and download PDF versions of BSI publications, including British and adopted European and international standards, through our website at bsigroup.com/shop, where hard copies can also be purchased.

If you need international and foreign standards from other Standards Development Organizations, hard copies can be ordered from our Customer Services team.

Subscriptions

Our range of subscription services are designed to make using standards easier for you. For further information on our subscription products go to bsigroup.com/subscriptions.

With **British Standards Online (BSOL)** you'll have instant access to over 55,000 British and adopted European and international standards from your desktop. It's available 24/7 and is refreshed daily so you'll always be up to date.

You can keep in touch with standards developments and receive substantial discounts on the purchase price of standards, both in single copy and subscription format, by becoming a **BSI Subscribing Member**.

PLUS is an updating service exclusive to BSI Subscribing Members. You will automatically receive the latest hard copy of your standards when they're revised or replaced.

To find out more about becoming a BSI Subscribing Member and the benefits of membership, please visit bsigroup.com/shop.

With a **Multi-User Network Licence (MUNL)** you are able to host standards publications on your intranet. Licences can cover as few or as many users as you wish. With updates supplied as soon as they're available, you can be sure your documentation is current. For further information, email bsmusales@bsigroup.com.

BSI Group Headquarters

389 Chiswick High Road London W4 4AL UK

Revisions

Our British Standards and other publications are updated by amendment or revision.

We continually improve the quality of our products and services to benefit your business. If you find an inaccuracy or ambiguity within a British Standard or other BSI publication please inform the Knowledge Centre.

Copyright

All the data, software and documentation set out in all British Standards and other BSI publications are the property of and copyrighted by BSI, or some person or entity that owns copyright in the information used (such as the international standardization bodies) and has formally licensed such information to BSI for commercial publication and use. Except as permitted under the Copyright, Designs and Patents Act 1988 no extract may be reproduced, stored in a retrieval system or transmitted in any form or by any means – electronic, photocopying, recording or otherwise – without prior written permission from BSI. Details and advice can be obtained from the Copyright & Licensing Department.

Useful Contacts:

Customer Services
Tel: +44 845 086 9001
Email (orders): orders@bsigroup.com
Email (enquiries): cservices@bsigroup.com

Subscriptions
Tel: +44 845 086 9001
Email: subscriptions@bsigroup.com

Knowledge Centre
Tel: +44 20 8996 7004
Email: knowledgecentre@bsigroup.com

Copyright & Licensing
Tel: +44 20 8996 7070
Email: copyright@bsigroup.com

bsi.

...making excellence a habit.™