

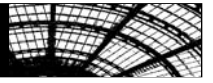
ICC G3-2011

**GLOBAL GUIDELINE FOR PRACTICAL
PUBLIC TOILET DESIGN**



worldtoilet.org





Foreword

The concept of simple, standardized toilet design seems like a relatively straightforward and practical concept but to billions of people around the world with no access to basic sanitation, the difference between their governing body being able to afford to install public toilets or not could mean the difference between life and death. The International Code Council and World Toilet Organization brought together the world's sanitation leaders, which resulted in the first edition of the Global Guideline for Practical Public Toilet Design (G3-2011). The document will result in a dramatic increase in restrooms in many nations, which will, no doubt, reduce the number of illnesses and unnecessary deaths caused by improper sanitary conditions.

Over the last three years, sanitation experts from around the world gathered in Macau, Singapore and Philadelphia to conceptualize, scope and create the content in the G3-2011 document to give guidance on basic care and maintenance to ensure clean, convenient, hygienic, and safe public toilet facilities of appropriate design and quality, making them more economical so as to provide greater accessibility to a larger population.

Although this guideline alone cannot solve the critical issue at hand, it is a step in the right direction and we would like to thank the many experts from around the world including the technical committee members, staff and skilled professionals that have dedicated their time and expertise to this project and to those that devote themselves to this critical life-safety issue every day.

Sanitation is a human right essential to the full enjoyment of life and all other human rights and was declared so in 2010 by the United Nations General Assembly. It is believed that the provisions contained within the G3-2011 will enhance global efforts to provide the proper tools for sanitary toilet installations as urbanization continues at an unprecedented pace.

We, along with our collective memberships and stakeholders are determined to increase access to toilet facilities everywhere and urge those responsible for such, to adopt the practices and provisions contained herein.

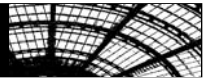
Sincerely,

Jack Sim
CEO, Founder
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Jay Peters
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Preface

Introduction

The principal purpose of the ICC Guideline series is to provide a state-of-the-art volume of knowledge that will contribute to public health, safety and general welfare in the built environment. Guideline projects are established based on market relevancy, demand, and the realization that existing technical information, regulations or standards, if any, do not adequately address the subject or that such existing technical information needs to be enhanced, clarified and made more user friendly. ICC Guidelines are in-depth, topic-specific technical publications that have global relevancy and may be used internationally. They are different from codes or standards in that they will generally use nonmandatory language.

Development

Development of the ICC Guideline series was approved by the ICC Board of Directors in September 2008. ICC Policy GP 33-08 governs the development of ICC Guidelines and can be viewed on the ICC website at www.iccsafe.org. ICC Guidelines are developed with the establishment of a Guideline Development Committee (GDC). The GDC is made up of a diverse stakeholder population and the participants are focused on ensuring high-quality and timely technical information for the built environment's usage. Upon the GDC reaching consensus, the final draft is posted for a "Public Comment" period for 30 days. The GDC considers all public comments, revises the public comment draft as appropriate and sends its recommendations to ICC for publication.

Adoption

The *Global Guideline for Practical Public Toilet Design* is available for adoption and use around the world. Its use within a governmental entity or responsible agency is intended to be accomplished through adoption by reference in accordance with proceedings established by local laws and pro-

cedures. At the time of adoption, provisions requiring specific local information, such as the name of the adopting entity or agency should be inserted in the empty space provided throughout this document. These locations are shown in bracketed words in small capital letters in the guideline (see Section 101.1 for an example).

To accommodate the standardization of the *Global Guideline for Practical Public Toilet Design* into local law, the text passages of the guideline may need to be interpreted in a specific manner. Where definitive procedures are needed, mandatory language will become necessary and the following substitutions, definitions, and rules can be applied to conform to definitive procedures with mandatory language.

- The words "may," "should," "could" and "can" are permissive in nature. Where definitive procedures must be followed, the mandatory words of "must," "shall" and "will" should be interpreted or substituted for the permissive words found in the guideline as follows;

<u>Permissive Words</u>		<u>Mandatory Words</u>
may	→	must
should	→	shall
could	→	will

- The use of "and" in a provision means that "all" elements in the provision must be complied with, or must exist to make the provisions applicable.
- Where compliance with one or more elements suffices, or where existence of one or more elements makes the provision applicable, "or" (rather than "and/or") applies.

Disclaimer

The data contained in this guideline are being provided for reference purposes only and in no event shall the International Code Council (ICC), the World Toilet Organization (WTO) or partners in preparation of this report be liable for any general, conse-





quential, indirect, incidental, exemplary, or special damages arising from the use of or reliance upon, in whole or part, the information obtained from this study. This guideline does not intend to overrule national building codes or practices, but to provide a reference for minimum levels of quality to safeguard health, property and public welfare. This guideline may be adopted and used as a regulatory requirement or standard. If this document is adopted as a mandatory code, all permissive language such as “should” and “may” shall be replaced with mandatory terms such as “shall” and “must.”

Maintenance

ICC Guidelines are not required to be updated on a specific cycle; however, they will be reviewed periodically and may be updated through a GDC-established process as needed based on changing trends, technology or relevant technical information.

Global Guideline for Practical Public Toilet Design Development Committee

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