2007 ICC Standard on the Design and Construction of Log Structures

(ICC 400-2007 IS LOG)

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FOREWORD

Introduction

In 2003, upon direction from the ICC Board of Directors, the ICC Standards Council appointed a consensus committee to develop a standard to cover the design and construction of log structures.

Development

This is the first edition of the International Code Council® (ICC®) *Standard on the Design and Construction of Log Structures*. This standard was developed by the ICC Consensus Committee on Log Structures (IS-LOG) that operates under ANSI Approved *ICC Consensus Procedures* for the development of ICC standards. ICC is approved by ANSI as an Accredited Standards Developer.

The meetings of the IS-LOG Consensus Committee were open to the public and interested individuals and organizations from across the country participated. Views and objections were solicited through several public comment periods. All views and objections were considered by the consensus committee and an effort was made toward their resolution. A vote by the consensus committee approved this standard.

The technical content of currently published codes and documents on log construction was reviewed and considered by the committee. While there were many similarities among the practices and documents reviewed, there were marked philosophical differences that were considered by the committee. The requirements in ICC 400 are based on the intent to establish provisions consistent with the scope of the ICC family of codes and standards that adequately protect public health, safety and welfare; provisions that do not necessarily increase construction costs; provisions that do not restrict the use of new materials, products or methods of construction.

Adoption

ICC 400, *Standard on the Design and Construction of Log Structures* is available for adoption and use by jurisdictions internationally. Its use within a governmental jurisdiction is intended to be accomplished through adoption by referenced in accordance with proceedings establishing the jurisdiction's law. At the time of adoption, jurisdictions should insert the appropriate information in provisions requiring specific local information, such as the name of the jurisdiction.

Formal Interpretations

Requests for Formal Interpretations on the provisions of ICC 400-2007 should be addressed to: ICC, Chicago District Office, 4051 West Flossmoor Road, Country Club Hills, IL 60478.

Maintenance – Submittal of Proposals

All ICC standards are revised as required by ANSI. Proposals for revising this edition are welcome. Please visit the ICC website at www.iccsafe.org for the official "Call for Proposals" announcement. A proposal form and instructions can also be downloaded from www.iccsafe.org.

ICC, its members and those participating in the development of ICC 400-2007 do not accept any liability resulting from compliance or noncompliance with the provisions of ICC 400-2007. ICC does not have the power or authority to police or enforce compliance with the contents of this standard. Only the governmental body that enacts this standard into law has such authority.

International Code Council Consensus Committee on Log Structures (IS-LOG)

Consensus Committee SCOPE: The Consensus Committee (CC) on Log Structures (IS-LOG) shall have primary responsibility for minimum requirements to safeguard the public health, safety and general welfare through design, construction and installation requirements for log and heavy timber structures.

This standard was processed and approved for submittal to ANSI by the ICC Consensus Committee on Log Structures (IS-LOG). Committee approval of the standard does not necessarily imply that all committee members voted for its approval.

Representatives on the Consensus Committee are classified in one of three voting interest categories. The committee has been formed in order to achieve consensus as required by ANSI Essential Requirements. At the time it approved this standard, the IS-LOG Consensus Committee consisted of the following members:

General Interest (G) - User Interest (U) - Producer Interest (P)

Edwin J. Burke (U), University of Montana, Missoula, Montana

Randy Kaatz (U), American Institute of Building Design, Bend, Oregon

Elyse G. Levy, S.E. (U), Self, Munster, Indiana

Ann Marie Long (G), Clark County Building Department, Las Vegas, Nevada

Rob Pickett, Chair (P), Log Homes Council, NAHB, Hartland, Vermont

Joseph C. Folker (Alternate P), Log Homes Council, NAHB, Lewisburg, Pennsylvania

Robert Savignac, Vice-Chair (P), International Log Builders Association, Lumby, British Columbia

Robert Chambers (Alternate P), International Log Builders Association, River Falls, Wisconsin

John "Buddy" Showalter (P), American Forest & Paper Association, Washington, D.C.

David P. Tyree (Alternate P), American Forest & Paper Association, Colorado Springs, Colorado

Craig Springe (G), La Plata County, Durango, Colorado

Mark Stimac (G), City of Troy, Troy, Michigan

Sharon Walter (Alternate G), City of Highland, Highland, Illinois

Committee Secretary: **Marc Nard, CBO,** Senior Technical Staff, Codes & Standards, International Code Council, Country Club Hills, Illinois

Voting Membership in Each Category

Category	Number
General-(G)	3
User-(U)	3
Producer-(P)	3
TOTAL	9

Interest Categories

General Interest: Individuals assigned to the General Interest category are those who represent the interests of an entity, including an association of such entities, representing the general public, or entities that promulgate or enforce the provisions within the committee scope. These entities include consumers and government regulatory agencies.

User Interest: Individuals assigned to the User Interest category are those who represent the interests of an entity, including an association of such entities, which is subject to the provisions or voluntarily utilizes provisions within the committee scope. These entities include academia, applied research laboratory, building owner, design professional, government non-regulatory agency, insurance company, private inspection agency, and product certification/evaluation agency.

Producer Interest: Individuals assigned to the Producer Interest category are those who represent the interests of an entity, including an association of such entities, which produces, installs, or maintains a product, assembly, or system subject to the provisions within the committee scope. These entities include builder, contractor, distributor, labor, manufacturer, material association, standards promulgator, testing laboratory and utility.

NOTE — Multiple Interests: Individuals representing entities in more than one of the above interest categories, one of which is a Producer Interest, are assigned to the Producer Interest. Individuals representing entities in the General Interest and User Interest categories are assigned to the User Interest.

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