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Framework of the design process for energy-saving single-family residential and small commercial buildings

*Cadre général d'un processus de conception d'habitations individuelles
et de petits bâtiments commerciaux permettant d'économiser de
l'énergie*



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Foreword

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ISO 13153 was prepared by Technical Committee ISO/TC 205, *Building environment design*.

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Introduction

This International Standard provides the framework for a design process for single-family residential and small commercial buildings, characterized by the “energy consumption ratio” as the key criterion. The design process, or design guidelines explaining the design process, is prepared by suppliers of the design guidelines for designers of buildings as a whole system, building envelopes or building equipment, all of which are deeply related to the energy performance of buildings. Designers play the most important role in the wide propagation of energy-saving technologies because they often make the final decisions on whether energy-saving technologies should be adopted or not, and which energy-saving technologies should be adopted in actual building projects.