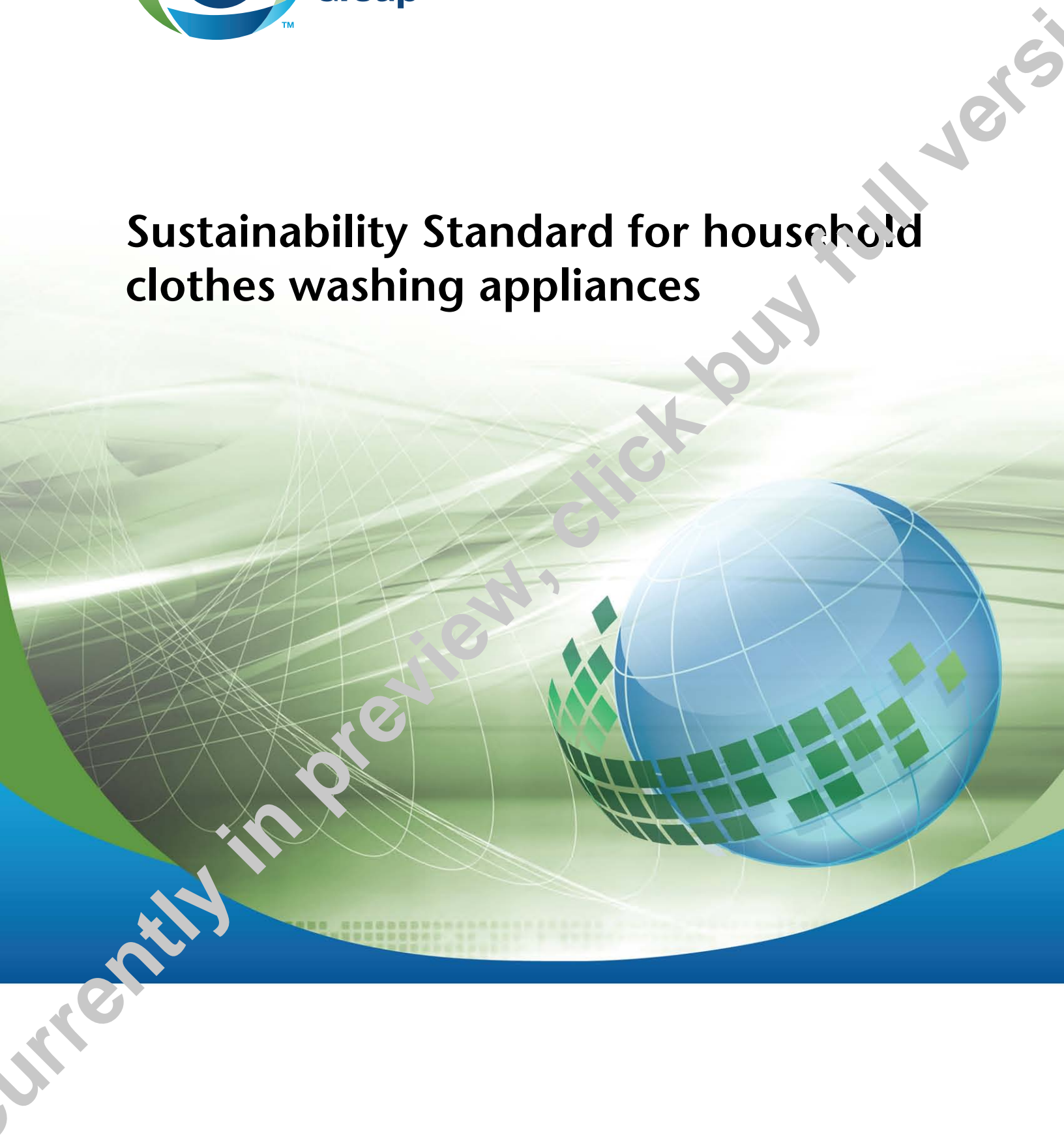




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CSA SPE-7003-13

Sustainability Standard for household clothes washing appliances



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***Sustainability Standard for household
clothes washing appliances***



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Foreword

The Association of Home Appliance Manufacturers (AHAM), CSA Group, and Underwriters Laboratories Inc. (UL), as a Task Force, collaborated with experts and stakeholders to develop this non-consensus Standard for home appliances as the first step in a broader Product Sustainability Initiative. The overall goal of this family of Standards is to provide meaningful product sustainability information to consumers and stakeholders. It is intended for this initiative to drive innovation and continual improvement in the sustainability performance of home appliances by empowering consumers. This Standard is based on product life cycle information and consideration for consumer expectations. It provides information for consumers, governments, retailers, and other program developers to help distinguish between products based on environmental criteria.

AHAM, CSA, and UL would like to acknowledge the assistance of *PE INTERNATIONAL and Five Winds Strategic Consulting* whose staff served as experts and project managers.



The Association of Home Appliance Manufacturers (AHAM) represents manufacturers of major, portable and floor care home appliances, and suppliers to the industry in the U.S. and Canada. AHAM's membership includes over 150 companies throughout the world. AHAM is also a standards development organization, accredited by the American National Standards Institute (ANSI) and authors numerous appliance performance testing standards used by manufacturers, consumer organizations and governmental bodies to rate and compare appliances. AHAM administers several appliance rating verification programs, employing third party laboratories. AHAM's consumer safety education program has educated millions of consumers on ways to properly and safely use appliances such as portable heaters, clothes dryers, and cooking products.



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Preface

This is the first edition of AHAM 7003/CSA SPE-7003/UL 7003, *Sustainability Standard for household clothes washing appliances*. This is a non-consensus document; it will be processed in accordance with procedures accredited by ANSI and SCC with the intent of being published as a consensus document in the near future.

The environmental performance of clothes washing home appliances is commonly evaluated on the single environmental attribute of electricity and water consumption during use. This Standard takes a broader, multi-attribute, and more holistic approach to assessing the environmental impacts of clothes washing home appliances. The multi-attribute approach was developed using life-cycle assessment (LCA) information along with other key factors such as hot-spot or hot-button analyses influencing product environmental performance. This approach, detailed in [Annex A](#), determined the environmental attributes of clothes washing appliances for inclusion in this Standard.

All parties have agreed that this Standard will be updated at the time a new U.S. Department of Energy or Natural Resources Canada minimum energy standard change occurs or within three years from the date this Standard is published. Many of the measurements included within this Standard are unique and have not been conducted on other appliance categories. The Task Force expects to learn much from the application of this First Edition in the coming years. The use of this Standard, self-assessment by clothes washer manufacturers, and external third-party assessment will be used to improve the Standard in drafting the second and subsequent editions.

This Standard was written specifically for products placed on the market in the United States and Canada. At the present time, a number of the calculations are based on systems specific to North America.

This Standard was prepared by the Task Force on AHAM-CSA Group-UL Sustainability Standard for Household Clothes Washing Appliances, under the jurisdiction of the AHAM Major Appliance Engineering Council, CSA Strategic Steering Committee on Business Management and Sustainability, and UL Environment.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

AHAM 7003-2013/CSA SPE-7003-13/ UL 7003

Sustainability Standard for household clothes washing appliances

1 Scope

1.1

This Standard covers clothes washing appliances for household and residential style commercial use (e.g., a coin-operated appliance in an apartment building) included within the scope of the U.S. Department of Energy (DoE) and Natural Resources Canada (NRCAN) minimum energy performance requirements. This includes the following product categories:

- (a) top loading, compact (less than 1.6 cubic feet capacity);
- (b) top loading, standard;
- (c) front loading, standard; and
- (d) front loading, compact (less than 1.6 cubic feet capacity).

Note: *The Task Force intends to expand the scope to include combination all-in-one washer-dryers in future editions. New product categories and information on the environmental performance of the additional categories might be considered in order to determine the scope of future editions. DOE standards cover stacked washer-dryer units, and therefore they are within the scope of this Standard.*

1.2

This Standard does not cover semi-automatic or suds-saving clothes washers, as the U.S. Department of Energy is unaware of any models currently on the market.

1.3

This Standard does not include directions for conformity assessment or the use of a mark/seal of conformity assessment.

1.4

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the Standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.