



# **EPUB is Here to Stay. In Fact, It's Everywhere.**

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## **THEN:**

*“EPUB is just for trade books.”*

*“EPUB 3 sounds good but  
it doesn’t work anywhere.”*

**NOW:**

*“EPUB is used for that?!?”*

*“EPUB is used where?!?!”*



**EPUB has become  
an essential part  
of the global  
publishing  
ecosystem.**



# E-MANGA





**EPUB is not just for trade books.**

# TEXTBOOKS



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Psychological Testing  
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*Educational publishers are updating their infrastructures to enable print+platform+products.*

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**Case in point:  
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*EPUBs are input, not output.*





The logo features a dark background with several colorful, curved lines in shades of blue, green, red, and yellow. Four white icons of open books are scattered across the scene, with some appearing to be on the paths of the curved lines. A central green rectangle contains the word 'CAMBRIDGE' in white, serif, all-caps font. To the right of this rectangle, the word 'Elevate' is written in a white, bold, sans-serif font.

CAMBRIDGE

**Elevate**

The background is a solid teal color. A large, stylized graphic of nested squares is positioned on the right side, tilted at an angle. The squares are composed of thick, rounded lines and are layered to create a 3D effect, with the innermost square being the darkest and the outermost being the lightest. The text is centered horizontally and placed over the left side of the graphic.

**EPUB is not just for books.**

A stylized map of the United States is shown in light blue. The central part of the map is replaced by the flag of the European Union, which has a blue field with twelve yellow stars arranged in a circle. A dark green rectangular box is overlaid on the right side of the map, containing the text "DOCUMENTS AND GOV'T PUBLICATIONS" in yellow, bold, uppercase letters. The map is surrounded by various colored rectangular blocks: orange at the top, green on the left, pink on the right, and light blue at the bottom.

**DOCUMENTS AND  
GOV'T PUBLICATIONS**

**Google Docs export EPUBs.**

**Japanese official documents are EPUBs.**

**The EU Publications Office  
has created thousands of EPUBs  
for an incredible range of publications  
for all the countries in the EU  
and in many languages.**

*[But stay tuned for their presentation tomorrow:  
they're already forging ahead to the next generation!]*





Add to reading list

TECHNICAL NOTE

# Use of the Wind Tunnel Test Method for Obtaining Design Wind Loads on Roof-Mounted Solar Arrays

Gregory A. Kopp, M.ASCE<sup>1</sup>; and David Banks, M.ASCE<sup>2</sup>

## Abstract

ASCE 7 does not provide design wind loads for roof-mounted solar panels. This paper discusses the use of the wind tunnel test method, called Method 3 in ASCE 7-05, which was originally intended for obtaining design wind loads for individual buildings. Because roof-mounted solar arrays are generally mounted in many configurations on many buildings of many different shapes, additional requirements are necessary to use Method 3 in this situation. The paper describes these additional requirements.

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**CE Database subject headings:** Wind loads; Wind tunnels.

**Author keywords:** Wind loads; Wind tunnels.

## Introduction

(such as solar panels) that are not well described by the shapes tabulated in the standards. Typically, an atmospheric boundary layer (ABL) wind tunnel is necessary for this, although other types of wind tunnels can be used with sufficient care. Wind load coefficients in ASCE 7 come from such ABL wind tunnel studies. For example, the

# JOURNALS

than those for building roofs; even aspects like roof zones, such as those used in ASCE 7, can be very different for arrays and roofs (Kopp et al. 2012). Thus, it is not appropriate to use these roof loads and zones to estimate loads on tilted solar panels; however, one can mimic the enveloping procedure used to obtain the wind loads and roof zones in ASCE 7.

It needs to be emphasized that using wind tunnel tests to determine generally applicable wind loads and roof zone maps for solar arrays on low-rise buildings is a somewhat unusual use of Method 3. The wind tunnel testing provisions in ASCE 7 were intended for individual buildings, for which test data are used directly for the design of the building, following accepted procedures. Thus, no generalization of the data is required for its use in these design situations. In contrast, such generalization is quite desirable for roof-mounted solar arrays that are placed on a wide range of building shapes in a wide range of configurations, rather than testing for each and every situation. In short, this procedure would be akin to using multiple Method 3 tests

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a Radium-based EPUB reader in the browser  
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The background is a solid teal color. A large, stylized, nested diamond shape is centered on the page. The diamond is composed of several concentric, slightly offset layers, creating a 3D effect. The text is positioned in the center of the diamond.

**EPUB is becoming  
“embedded technology.”**



# **BROWSERS & OS's**



**iBooks** in iOS supports EPUB.

**Google Play** on Android supports EPUB.

**MS Edge** *[late beta]* supports EPUB.

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*[coming in April]* supports EPUB.

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*—Bill McCoy*





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*And it's all based on EPUB.*





**EPUB is essential for accessibility.**

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*—Jamie Axelrod, Arizona State Univ.*



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*and when people who need accessible publications **get the same thing everybody gets.***

**Thanks to EPUB.**





**Thanks!**

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