



Tapping  
the Future

2014

CONFERENCE  
KITCHENER•ON

CSC Conference 2014 – TAPPING THE FUTURE  
Kitchener, Crowne Plaza Kitchener/Waterloo  
May 21-25, 2014

Session 3A  
Date May 22, 2014  
Time 2:00 – 3:00  
Speaker Greg Ceton, CSI, CDT

### **buildingSMART Data Dictionary, OmniClass, and Open Standards-Based BIM: Tools for Collaboration**

As they design and construct buildings, professionals need to work in an interoperable fashion with each other. But how do different software applications talk to each other? And to a product database? Or a specification system? How can a designer be sure that the engineers understand the attributes attached to his design? Or that product searches yield reliable results?

The buildingSMART Data Dictionary is a catalog of object names (the ‘vocabulary’) with the capacity to comprehend multiple languages and alternate terminology in dealing with those objects, and to relate those objects to properties and other data that can be used to describe those objects, providing a common way of viewing a construction project or asset. The Data Dictionary fits into the suite of Open BIM standards provided by buildingSMART International that are the universally accepted methodology for interoperable model and data exchanges.

The Data Dictionary is based on a concept laid out in an ISO standard -- 12006-3: 2007 (Building construction: Organization of information about construction works, Part 3: Framework for object-oriented information). Through the Data Dictionary, an open BIM model can be linked to data from many sources, improving interoperability and paving the way for analysis and design checks from the early stages of the project through the full life cycle.

#### **ATTENDEE OUTCOMES**

- Identify what the buildingSMART Data Dictionary is.
- Understand how OmniClass and the Data Dictionary are related and work together
- Understand the latest developments in OmniClass
- Identify how the buildingSMART Data Dictionary may be used in a BIM project.
- Understand the concept of an open BIM and the role that the buildingSMART Data Dictionary plays in an open BIM.

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### Speaker bio

Greg Ceton has managed the development of CSI's information standards and publications since November 2000. He has been directly involved in the creation and maintenance of OmniClass™, buildingSMART Data Dictionary (bSDD), MasterFormat®, UniFormat™, and the CSI Practice Guide series, among others. Ceton is currently Director of Technical Services at CSI.

Ceton's work has been recognized by awards from construction associations, among them a CSI President's Award and honorary membership in Construction Specifications Canada. He holds the Construction Documents Technologist (CDT) certificate and has a master's degree in library science from the University of Maryland, a law degree from the University of Florida, and has been a member of the Florida Bar since 1991.

Ceton lives in the suburbs of Washington, DC.

### Speaker contact information

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