

## CSA Fuel Cells Standards Development

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### Brief Synopsis of Presentation:

#### **Todd Strothers (CSA International): CSA Fuel Cells Standards Development**

CSA International is the result of a merger of the major electrical testing laboratory for Canada with the major natural gas testing labs of Canada and the USA. CSA is working on several standards for fuel cells, some that will replace existing standards developed elsewhere. These include

- CSA FC 1: Fuel Cell Power Systems (replacing ANSI Z21.83 when finalized)
- CSA FC 2: Residential Fuel Cell Power Plants
- CSA FC 3: Fuel Cell Modules
- CSA FC 4: Portable Fuel Cell Power Systems
- CSA Req. 5.99: Hydrogen Generators (includes reforming technology)

In addition, CSA is the U.S. administrator for IEC TC 105 so it is involved in the development of international standards as well.

A question arose as to the reason for the upper limit of applicability of FC 1. Mr. Strothers suggested that this upper limit is somewhat arbitrary, there is no real reason for an upper bound. Units larger than this could likely be listed according to the same criteria as smaller units.