



National Plumbing Inspectors Education and Training Program – Pilot Project

Ontario Plumbing Inspectors
Association

Guelph, ON
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Overview



- Purpose - CIPH/CSA Proposal
- Overview of CIPH
- Overview of CSA Standards Solutions
- Key issues facing inspectors
- CIPH/CSA Pilot Plumbing Inspector Program
- Questions and Next Steps

CIPH / CSA Proposal



- CIPH led task force to review solutions
- CSA, CIPH and task force identified needs and proposed solutions
- Concept presented to Canadian Advisory Council on Plumbing and Provincial Territorial Subcommittee on Plumbing Codes, August 2007
- Support for the initiative was unanimous
- Different funding models were reviewed

Overview CIPH



- A national voice with regional roots
- National and regional trainer
- Events and dissemination of information
- Coordination of codes and standards activities
- Market research and data collection
- Our members

CSA Purpose



"A Better, Safer, More Sustainable World Where Standards Work for People and Business"

- CSA Standards is a not-for-profit organization that develops rules and guidelines to help people and businesses in areas such as health, safety and the environment.

Helping Standards Come to Life



Key Issues facing Inspectors



Current State

- Comprehensive codes, standards, and regulations
- Jurisdictional programs

Key Issues

- Interpretation and application of codes, standards and regulatory requirements
- Deficiencies in the management of counterfeit and non-approved products
- Inefficiencies in the inspection process: lack of time; inconsistent methodologies
- Lack of assurances re: capabilities of inspection and enforcement personnel

Standards Solutions: Pilot Initiative

Plumbing Inspection Education and Training Program



- National solution that builds on existing body of work to support inspectors and provide for improved application of codes, standards, and regulatory requirements, and improves consistency and quality of inspections

Standards Solutions: Pilot Initiative



- Interactive, self-paced, & modularized e-learning training program that can also be delivered in class room setting
- Available in both official languages
- Program would include:
 - Initial Self assessment test
 - ~ 5 modules each with a self-check tests
 - Final evaluation
 - Linear and/or non-linear ability to move through program
 - Foundation national content w/ provincial deviations
 - Unlimited 24-7 access for a prescribed period

Curriculum Design

- A 3-day curriculum design workshop was hosted by CSA, April 1-3, 2009
- In attendance were plumbing inspectors, educators and representatives from the building and manufacturing community from every region of Canada and from the U.S.
- A very detailed curriculum was developed and subsequently sent out to survey
- The curriculum will be used to guide the development of the education and training materials

Curriculum Design Blueprint



- Plumbing Inspectors Education and Training Program
- ✦ **WM1. Acts and Regulations**
 - ✦ **T1.1. Explain the role and purpose of the plumbing inspector**
 - ✦ **Knowledge**
 - ✦ • Know the role and purpose of a plumbing inspector
 - Protect the health and safety of the public
 - Protect buildings and property
 - Protect the environment
 - ✦ • Know the limitations and boundaries of a plumbing inspector
 - Know that Alternate Solutions need to be approved by chief plumbing/building officials
 - Identify how to handle a situation where a system complies with code but not with specifications (revisio
 - ◇ |
 - ✦ **Understand/Apply**
 - • Understand who the plumbing inspector represents
 - • Understand how to enforce codes, standards and bylaws
 - • Explain how to enforce compliance to the minimum standards
 - ✦ **T1.2. Define how the Plumbing Inspectors obtain their authority**
 - ✦ **Remember**
 - • Know what due diligence is and how it applies to the plumbing inspector
 - • Know provincial codes are based on the National codes

Standards Solutions: Next Steps



- CSA has tendered the development of the content for the training program and expects to begin development of the modular training in October/November, 2009
- Once the content has been written, it will be converted to an e-learning format that will be able to be deployed online or in a classroom setting
- The program is scheduled to be delivered in 2010

Thank you....Discussion



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