

Welcome to the

2018 Annual Conference Educational Sessions

Session: Building Inspection & Technology - Today's Trends, Big Data, and Tomorrow's Possibilities

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Transition to Digital *(Working Draft)*

How Technology Will Enable the Jurisdiction of the
Future

Welcome, Introduction, Overview

Presenters

- Jeff Wight - Director, Product Management and SW Development, General Code
- Dan Janousek - Digital Products Manager, International Code Council
- Chris Gaw - Building Director, City of O'Fallon, MO

Agenda

- General Code Digital Transition History
- General Code Digital Transition Learnings
- ICC Online Code Library Capabilities
- ICC Future Digital Capabilities
- Case Study
- Closing - Why Digital?

What you'll come away with

- Understanding of the challenges related to transitioning to digital Code access
- Techniques to mitigate those challenge
- Awareness of how ICC's ongoing evolution of the Online Code Library sets the stage for a successful digital transformation
- How O'Fallon, MO has fully committed to digital is already seeing benefits

General Code Digital Transition History

General Code Background

- Member of the ICC Family of Companies
- Providing Municipal Codification Services for over 55 years
- 3,000 local governments use our services
- Focused on providing high-quality service while continuing to deliver
- market-leading innovations

Early Digital Adopters

(timeline of digital solutions)

Digital Adoption Results

- Increase in digital code access tools
- Decrease in print volumes
- Increasing correspondence via electronic channels
- Increasing submission of legislation electronically
- Increasing evidence of digital access from constituents
 - Social Media connections
 - Electronic correspondence and support requests

General Code Digital Transition Learnings

Benefits

- Simplifies Transparency
- Supports Economic Development
- Enables Collaboration
- Creates Efficiencies
- Accuracy and Reliability
- Simplifies Training and Knowledge Transfer

Challenges

- Commitment from Staff
- Legacy Processes
- Momentum
- Public Awareness and Buy In

How to Realize Benefits

- Incremental Results
- Training
- Reinforcement
- Change Management

ICC Online Code Library Capabilities

Why is ICC Embracing Digital

(Timeline)

Code Formats for Every Need



Basic Online

ICC makes model I-Codes and standards available free online as a service to the public.



premiumACCESS™

ICC's digital code platform offers easy portability and robust usability including search, annotate, share, & more.



Downloadable PDF

Non-interactive PDFs offer a convenient digital option of the print books in the same two-column layout.



Print Books

Code is available in softcover, loose leaf, and hardcover editions varying depending on the publication.

ICC Code Platform

- Updated Online Codes Library
 - Premium functionality
- cdpACCESS
- ICC Integration
 - ES Reports
 - Standards Linking
 - Commentaries Integration
 - Interpretations

Other ICC Digital Initiatives

- Training and Certification
 - Learning Center
 - Assessment Center
 - Pronto ICC Online Exams

ICC Future Digital Capabilities

Code Portal

- Centralized Access to Code Data
- Centralized Code Access
- Virtual Code Assistant
 - FAQs
 - Resource Guides
- Personalized to the needs of the user and the jurisdiction
- Simplified framework shared by many jurisdictions

Code Information Sharing

Custom Local Building Codes

- Jurisdiction specific branded building code
 - Your adopted titles
 - Your approved amendments incorporated
- Publicly accessible for your constituents
- 24/7 Access
- Enhanced features available to city staff and design professionals
- Integration with the Municipal Code on *eCode360*

Case Study

About O'Fallon, MO

- Suburb of St. Louis
- Population 86,000
- Building Department
 - Chris Gaw - Director
 - 5 Building Inspectors
 - 2 Support Staff



City of O'Fallon

TRADITION WITH VISION

O'Fallon Transition to Digital

(Timeline)

O'Fallon Codes Usage

- Using 11 of the 2015 ICC Model Building Codes
- MO - Codes not adopted statewide
- Adopts a new version of the Model Codes every 6 years
- Adopts a comprehensive set of local amendments every 6 years
- Uses a combination of the Model Codes and local amendments as reference material

O'Fallon Results

- O'Fallon, MO has been test driving the pilot offering for the past month
- Expecting solution to cut down on 20% of constituent calls as well as all the time associated with resolving each call
- Web based solution makes accessing the entire collection of code books effortless
- Responsive design makes reading code content easy from any device, including phones and tablets
- Premium features including notes feature promotes collaboration

Pain Points

- Two sets of reference materials complicates processes
- Internal information sharing and collaboration difficult in paper-based system
- Large volume of calls
 - Constituents looking for local building requirements
 - Design Professionals looking for clarifications about local amendments

Closing - Why Digital?

An Analogy



The Jurisdiction of the Future

- Efficient
- Collaborative
- Future-Ready
- Integrated

Questions

Thank You For Attending

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