Welcome to the

2018 Annual Conference

Educational Sessions

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