Digital Solutions for the 21st Century Building Department Operations
by
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ICC
Major Jurisdictions Committee
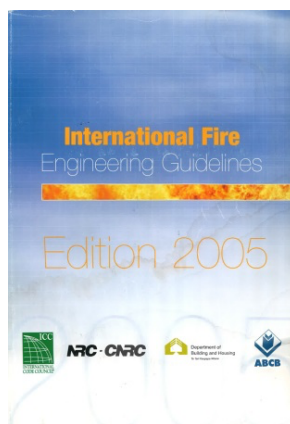Columbus, OH
April 15, 2018

What We Will Cover

- **Historical Background on ICC**
- **Highlights of ICC's Global Activities**
- **Digital Solutions for the 21st Century Building Department Operations**
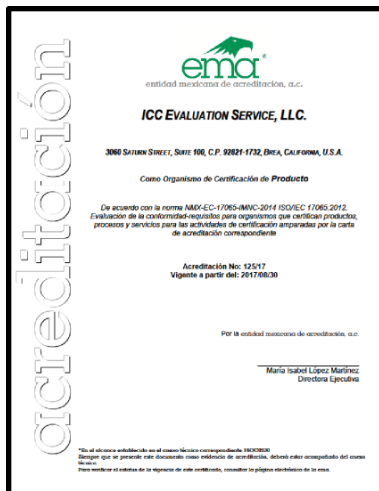- **Questions?**

Historical Highlights

- **2004: ICC offers Certification Exam services to selected Canadian Provinces**

- **2005: ICC and the IRCC publish International Fire Engineering Guidelines**

- **2007: Saudi Arabia signs agreement to publish the Saudi Building Code based on 2003/2006 I-Codes**

- **2013: ICC publishes Abu Dhabi codes based on 2009 I-Codes with supporting services**

Historical Highlights

- **2016: Agreement with GSO to publish the Gulf Building Code (GBC) based on 2015 I-Codes**
- **2016: Mexico IECC published based on 2012 International Energy Conservation Code**

Where We Operate Globally

- **9 International Chapters/467 Members**
  - **Australia**
  - **Canada**
  - **Cayman Islands**
  - **Kenya**
  - **Mexico**
  - **New Zealand**
  - **Nigeria**
  - **South Korea**
  - **Trinidad & Tobago**

Developing your Digital Platform

What's your vision:

- ➢ **Many building departments are upgrading their digital/software platforms to bring them into the 21st Century?**

- ➢ **Strong desire to take advantage of new features to reduce manpower and increase customer self-service**

- ➢ **Streamline the development process, increase transparency and record retention**

- ➢ **Improve efficiency and reduce costs**

Developing your Digital Platform

What you need to know:

➢ Many new styles of software/digital platforms are being developed

➢ Millions of Dollars($) are being spent

➢ Extensive Staff Time Required

➢ Concerns for service disruption

Refining your Overall Needs:

What Departments will the software control, e.g. Business Licensing, Public Response, Planning/Zoning/Public Works/Fire Prevention/Building, Water Reclamation, etc.

Electronic Plan Review (E-Plan) – yes or no?

Real time resulting of inspections (iPhone/laptop for field inspectors)

GPS for more efficient routing, locating, etc.

How will the public see their permits/results

Assess Current Software Technology/Vendors

Gartner Magic Quadrant Technique	ICC/IAS Major Jurisdiction Committee Poll of AHJ's software vendors	Major US vendors: ACCELA, Computronics, EnerGov, Tyler, Hanson, SunGard
Check References	Out of the Box vs Starting from Scratch?	Central IT vs User/Dept IT?

Request for Proposal (RFP)

1 Get Professional IT Help

2 Develop a Detailed Scope

3 Lump Sum vs Time & Materials

Vendor Selection

Clark County Building & Fire Prev chose _ACCELA_

City of Henderson Building & Fire Prev chose _InterGov_

City of Las Vegas Building & Fire Prev chose _Tyler_

Choose Vendor Products

01

VENDOR X - automation for Land Management, Licensing, Case Management (main software)

02

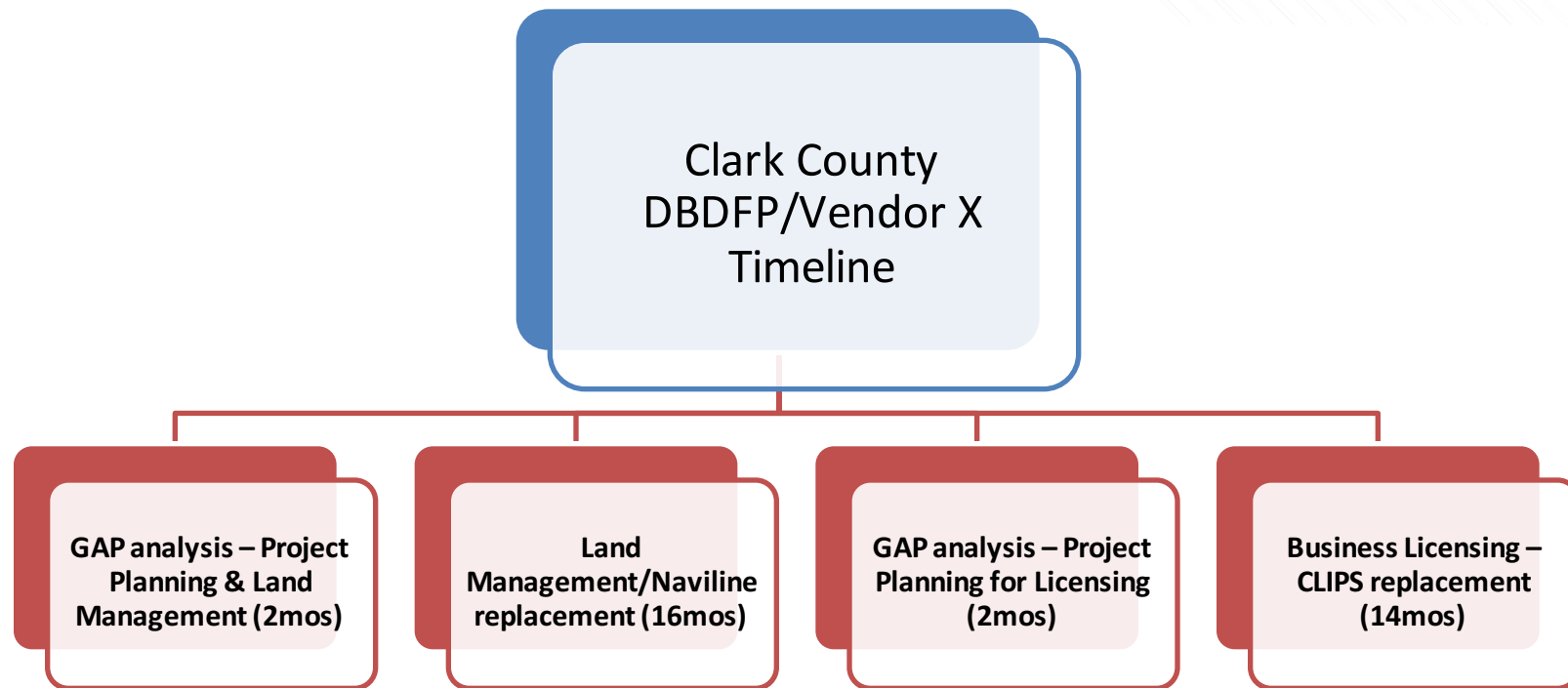**VENDER X - mobile (allows field inspectors to result inspections in the field)**

03

VENDOR X - GIS (allows the field inspectors to plan their route to their assignments more efficiently)

04

Vendor X - Citizens Access (allows the public to see what is going on with their plans/permits, etc.)

Timeline

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                    Clark County
                    DBDFP/Vendor X
                    Timeline
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| GAP analysis – Project Planning & Land Management (2mos) | Land Management/Naviline replacement (16mos) | GAP analysis – Project Planning for Licensing (2mos) | Business Licensing – CLIPS replacement (14mos) |

Administrative

Senior Implementation Consultant	Project Sponsor	Executive Steering Committee
Department subject matter expert (SME)	Project Manger	Technical Lead
Report Developer	Department Business analyst	Change orders

Staffing

ACCELA/Vendor

CCDBFP Staff

Data Conversion

Historical conversion → Standard Document Migration → Conversion tools

Testing

ACCELA takes first cut at testing

CCDBFP takes second cut at testing

Training

Train the Trainer approach

Training your customers

Go Live and Go Live Support

1

ACCELA/Vendor assistance before and after Go Live date

2

Maintenance/change scripting after Go Live date

Project Completion

- Its never done…
- Go – live, couple of weeks of no critical/environmental changes…tweaks ok
- The platform has to be "solid" before you sign off
- Train, Train, Train

Acceptance

- Runs well with no major changes
- Resistance to accept change by end user. They have to realize their platform has changed and get use to it
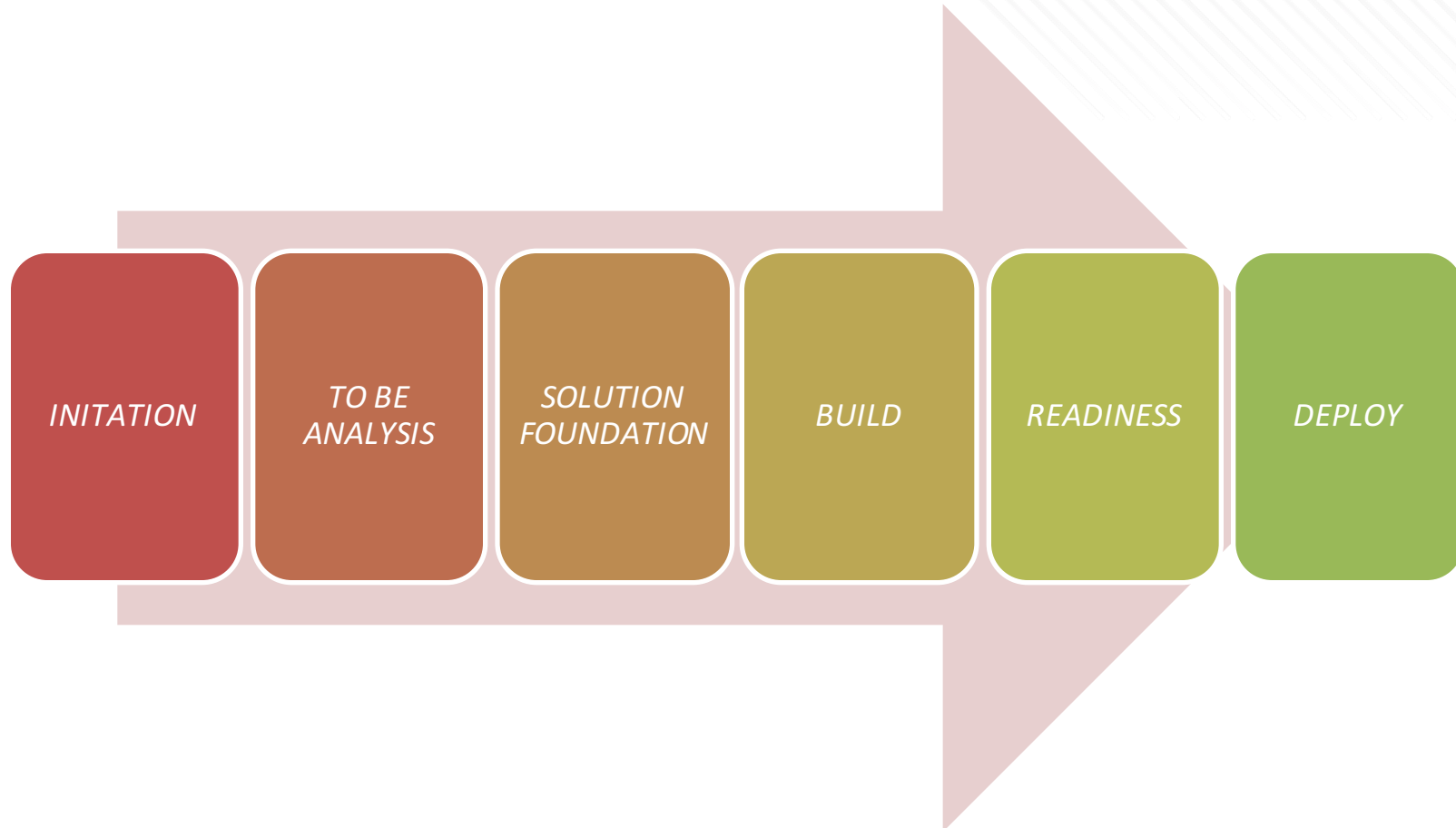
Critical Success Factors

Dedicated Agency Participation

Follow ACCELA Implementation Methodology

Knowledge Transfer

Sequence of Events

Acknowledgements

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OUR HEARTS ARE WITH
LAS VEGAS
NEVADA
Vegas Strong

THANK YOU !

Chuck Ramani, P.E., CBO; (Retd.)

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Questions?