

Smart Communities and Thinking Smart

Cory Fleming, April 25, 2019

ICMA Smart Communities Advisory Board

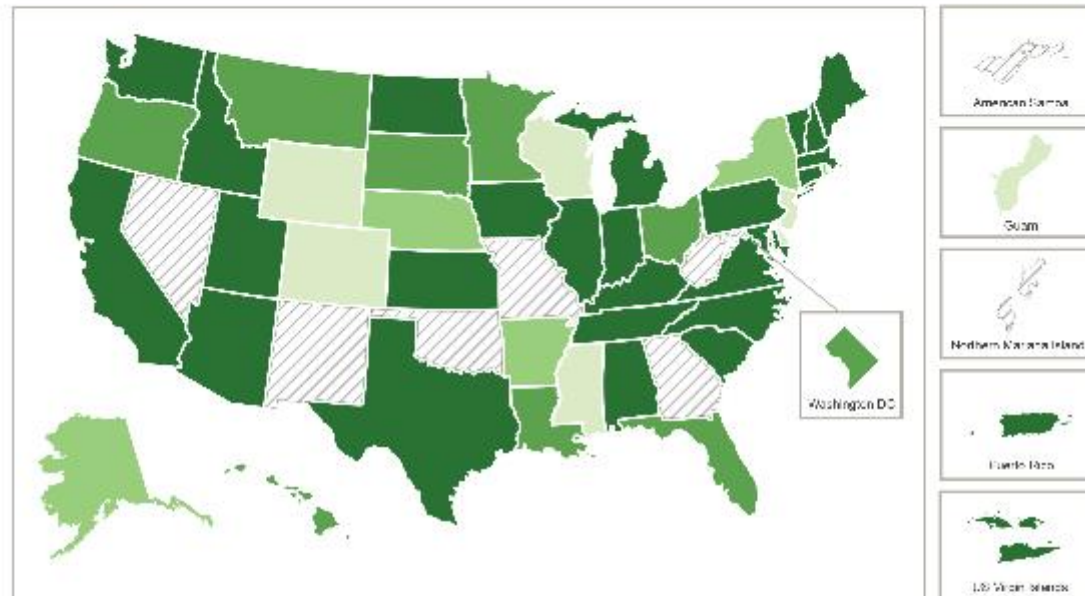


Best Practices vs. Next Practices

NextGeneration 911 (NG911)

Digital/dedicated public safety network.

2017 NG911 Progress Snapshot



No Data Provided

A state or sub-state's progress toward implementing NG911 has been unreported or is inactive.



Adopted a NG911 Plan

A state or sub-state has developed and adopted a statewide NG911 Plan, including governance, funding, system components, and operations strategies.



Seeking Proposals

A state or sub-state has released a RFP and is seeking proposals for defined statewide components for a NG911 system.



NG911 Implementation in Progress

A state or sub-state has awarded a contract for any NG911 component, including Basic IP Network, E911, NG911 Applications or NG911 Transition components.



911 Authorities are Capable of Processing and Interpreting Location and Caller Information using NG911 Infrastructure

A state or sub-state has 911 authorities that have implemented system's capability of processing and interpreting location and caller information for all service types (e.g., wireline, wireless, VoIP) using NG911-capable infrastructure.

Best Practices vs. Next Practices

Emerging Regulatory Arenas

- *Scooters*
- *Ride-share*
- *Drones*
- *Cannabis sales*
- *Short-term housing rentals*



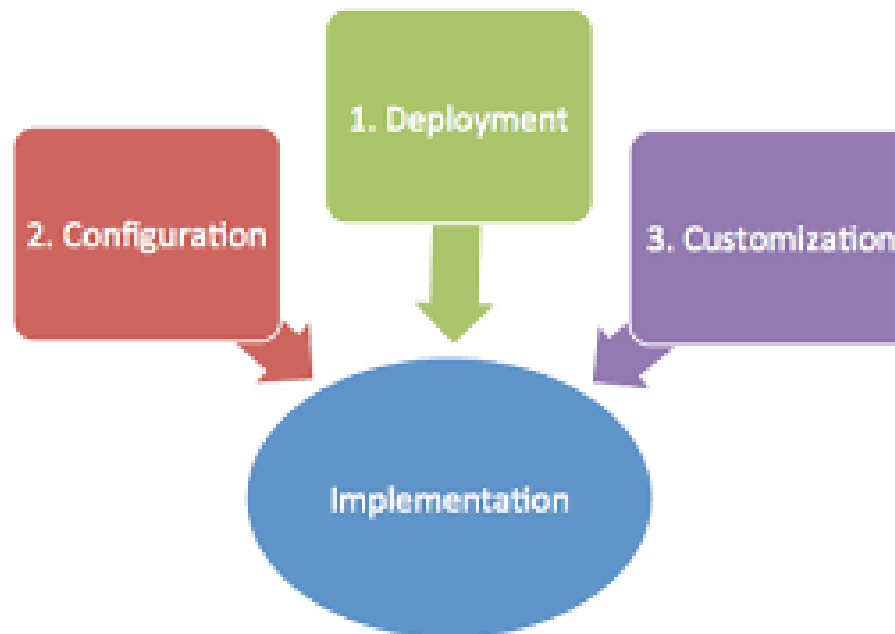
Best Practices vs. Next Practices

Integration of Systems



Best Practices vs. Next Practices

Configuration vs. Customization



Best Practices vs. Next Practices

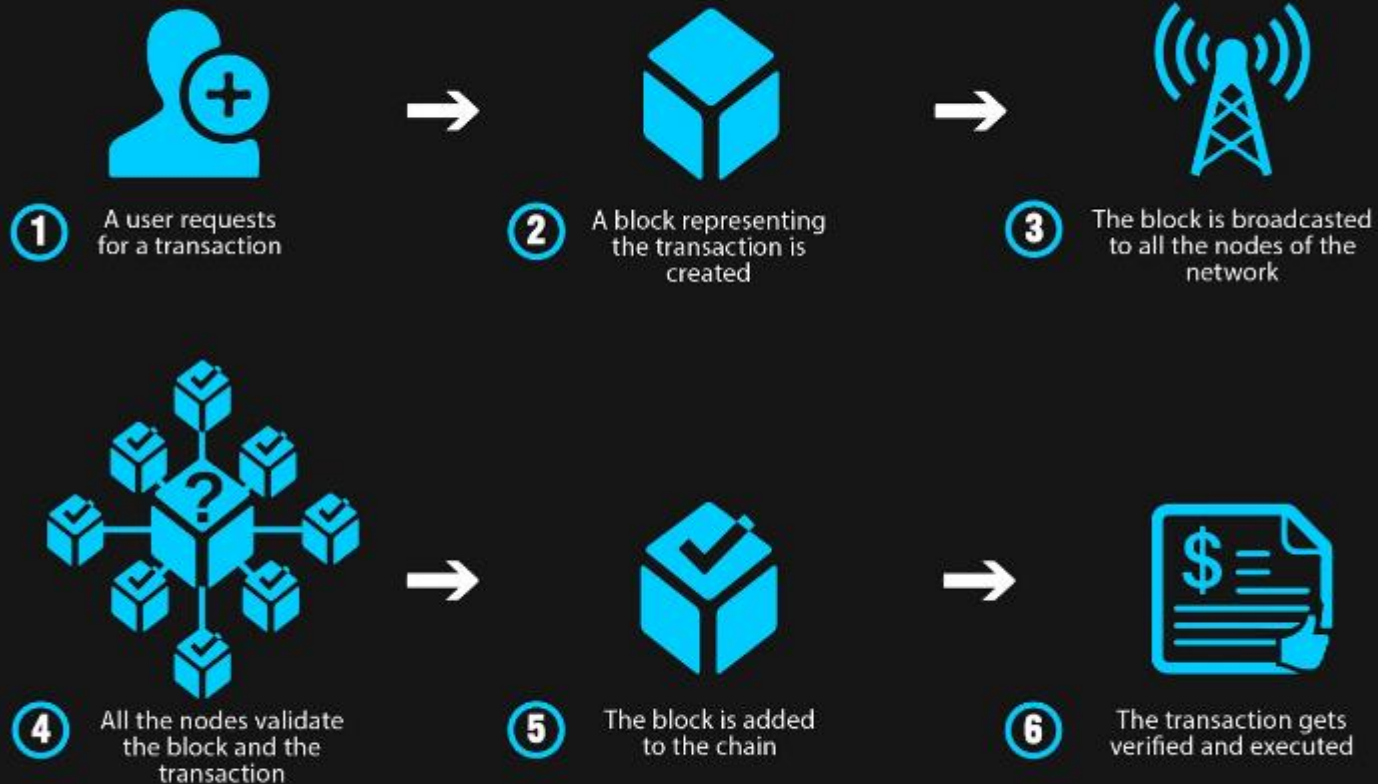
Mobile Platforms



On the Horizon

Blockchain Technology

How Does a Blockchain Work: A Step-by-Step View



On the Horizon

5G Networks

1G



2G



3G



4G



5G



IoT



High Speed

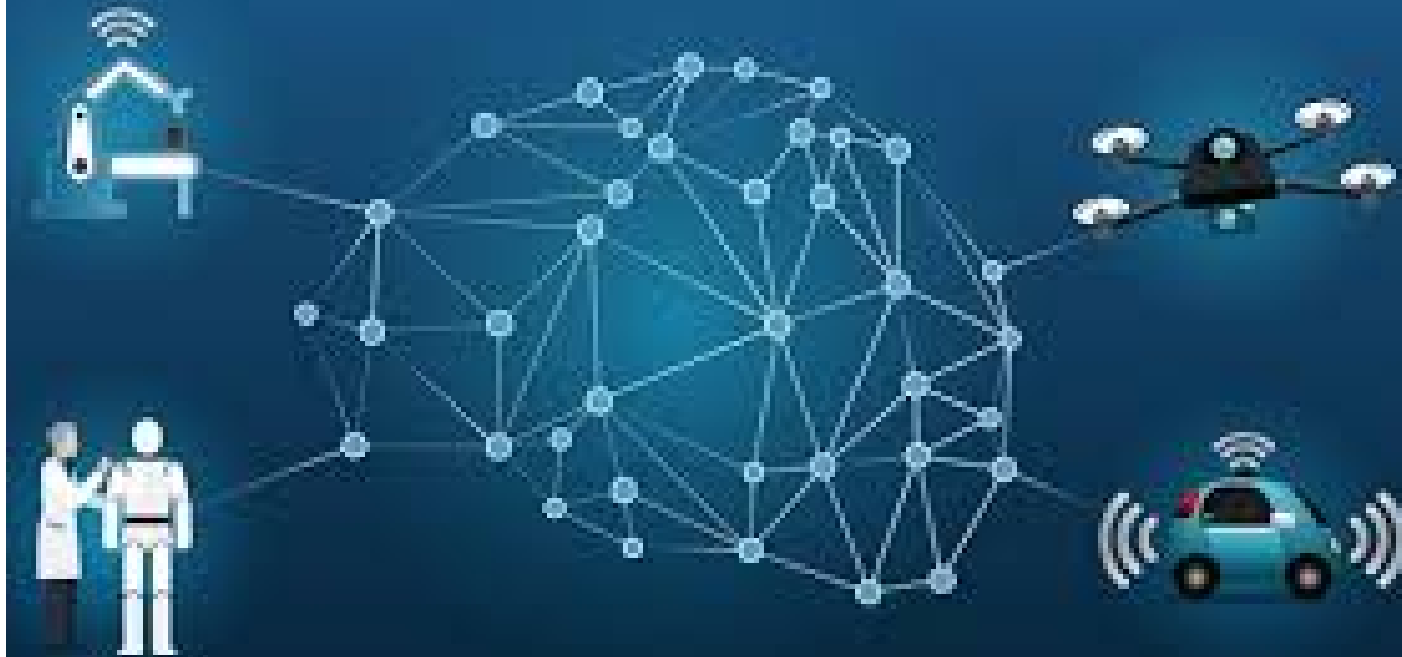


Ultra HD
3D Video

On the Horizon

Artificial Intelligence (AI)

ARTIFICIAL INTELLIGENCE

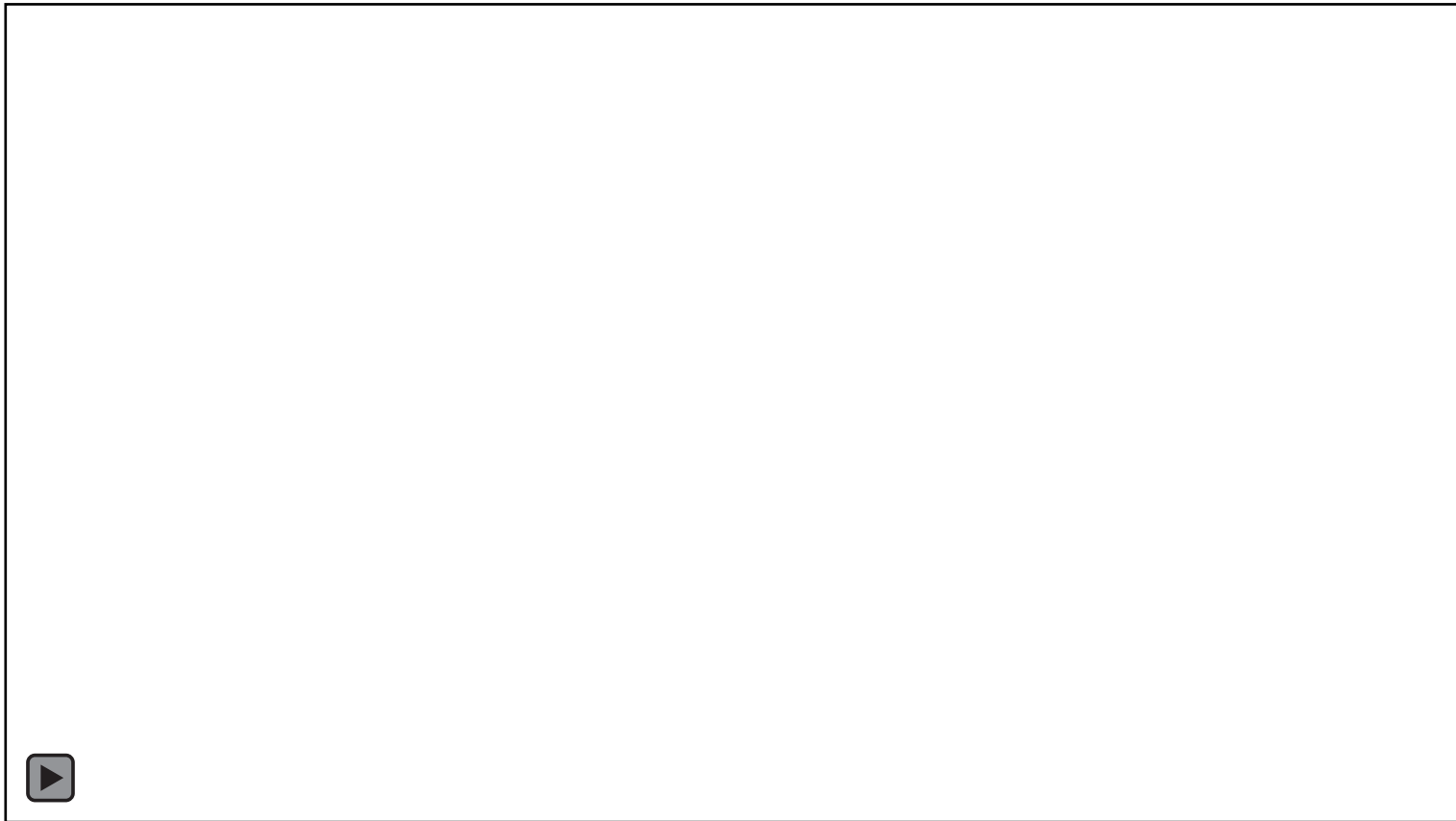


On the Horizon

Energy and Fuel Systems

- Hydrogen 2.0
- Smart Grid
- Fuel Cell Storage
- Bio-fuels 2nd and 3rd generations

311-CRM Systems



Innovations: 311/CRM Systems

- Offloading 911 Calls
- Improving Customer Service
- Civic Inclusion
- Performance Measurement
- Re-engineering Business Processes
- Community and Economic Development

