ArcGIS Mobile Workflows using Explorer, Workforce, Navigator, and Collector (don’t forget Survey 123)

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Apps Are Bringing the Power of GIS to Everyone
Extending the Reach of GIS

Across Organizations and Beyond
ArcGIS Mobile Apps work together
Pair ArcGIS apps or use them all to complete the Field Operations Cycle

Operations Dashboard for ArcGIS
Web AppBuilder

Drone2Map for ArcGIS
Survey123 for ArcGIS
Collector for ArcGIS

Field Operations

ArcGIS Pro

ArcGIS Web AppBuilder

Workforce for ArcGIS

Navigator for ArcGIS

Collector for ArcGIS

ArcGIS Mobile Apps work together
Pair ArcGIS apps or use them all to complete the Field Operations Cycle
Explorer for ArcGIS
Take maps with you

Your maps anywhere

Access information while disconnected

Sketch, annotate, and communicate

Available on the App Store
Available on Google Play
What's coming next

- **Make Offline Maps Publicly Available**
  - New ArcGIS Pro Publisher Extension
  - Author in Pro, Share Publicly, Anyone can use…
  - Early 2018

*Subject to change*
Workforce for ArcGIS
Coordinate field work

Plan, coordinate field work

Location Awareness

Optimize field operations
Workforce for ArcGIS

Integrate ArcGIS Apps to streamline field workflows

- Manage To-Do list, report location and work status
- Navigate directly to your work
- Capture and update data:
  - Map: Collector for ArcGIS
  - Form: Survey123 for ArcGIS
- Complete field work
Utilities Kinston, Ontario, Canada

- 15,000 customers
- 4 field crews of two
- 5300 gas meter inspections
• Enhanced App Integration
  - Pass Workorder ID and Description to Survey123 and Collector

• True Offline Support
  - Configure maps for offline use

• Enhanced Tracking Capabilities

*Subject to change
Navigator for ArcGIS
Get your field workforce where it needs to be

Leverage your own map (search, route, display)

Create routes honoring your specific vehicle type

Work offline - maps are on your device

Available on Google Play and the App Store
Custom Navigation Maps

Enhance existing maps or build your own from scratch

Customize the Map
- Search (geocode locators)
- Route (network dataset)
- Display (basemap)

ArcGIS Pro

Package*

ArcGIS Online or ArcGIS Enterprise

Copy

Download

Share

Navigator

*Requires Network Analyst extension
Building Inspections

“We are saving $197,000 per year on mileage and inspectors’ time by using ArcGIS.” Rich Franz-Under
Collector for ArcGIS
Map Centric Data Collection

Web Maps

Works offline

High accuracy GPS

Available on the Google Play, App Store, Windows Store
High Accuracy Data Collection

Differential Corrections

Sub-meter accuracy
What’s coming (2018)

- **Better maps**
  - Labels, Advanced symbology
  - Vector basemaps
- **High Accuracy**
  - Support Z values
- **New user experience**
  - Map/Form experience
- **Offline**
  - Pre-planned workflows
- **Smarter forms**
  - More input types (Barcodes, QR codes)
  - Arcade expressions

Currently available in Beta

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Survey 123 for ArcGIS…in case you are skipping the next presentation...

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Survey123 for ArcGIS
Form Centric Data Collection

Simple data collection experience

Web & Native / Desktop & Devices

End to end data collection workflow
Survey 123 for ArcGIS

Smart Forms

• **Advanced user inputs**
  - Multi-Choice questions, signatures, built-in barcode scanning, audio, dictation, photo annotations, tally-counters…

• **Conditional Logic**
  - Hide and show questions in your form according to users responses

• **Validation rules**
  - Prevent logical user errors right in your mobile device

• **Precomputed answers**
  - Accelerate data capture precomputing responses

• **Form layout**
  - Multiple-language support, Groups, Pages, HTML Formatting…

**Smart Form logic based on the XLSForms standard**
What’s coming next

• **Sensors:**
  - Enhanced external GNSS receiver integration
  - Biometric authentication
  - Spike integration
  - Weather sensors...

• **New Reporting Engine**
  - Build report templates in Ms Word

• **More Smart Form features**
  - Dynamic choice lists
  - Polygon and Line support
  - Form update notifications

Releases every 8-10 weeks

*Subject to change*
Questions?

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