Agenda

• Esri Positioning and Key Benefits
• Mobility Strategy
• Q & A
Positioning and Benefits
ArcGIS Vision
A Complete Geospatial Platform

Easy, Open and Cloud Enabled . . .
. . . Providing Transformational Opportunities
Key Benefits of Mobile Solutions
Leverage your investment in ArcGIS

- Rapid Data Collection
- Seamless Data Integration
- Improve Efficiency and Accuracy

Make Informed and Timely Decisions
Esri Mobile Technologies

Platforms

Windows Mobile
Windows 7/8
Windows Phone
Android
iOS
Linux

Form Factors

Handheld
Tablets
Rugged Devices

Apps

ArcPad
Collector
ArcGIS

Apis

WPF
Objective-C
Java
Javascript
C++
Mobile platform landscape

Current offerings

<table>
<thead>
<tr>
<th>Platform</th>
<th>Apps</th>
<th>Runtime SDK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Mobile</td>
<td>ArcGIS, ArcPad</td>
<td>.NET</td>
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<tr>
<td>Windows</td>
<td>ArcGIS, AP, Explorer, Dashboard</td>
<td>WPF, Java</td>
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<tr>
<td>Windows Phone</td>
<td>ArcGIS</td>
<td>XAML</td>
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<tr>
<td>iOS</td>
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<tr>
<td>Linux</td>
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<td>Java, C++</td>
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</tbody>
</table>

Esri UC2013, Technical Workshop, ArcGIS for Mobile Overview
Device Platform Strategy
Built from a common GIS Runtime

Configurable Apps
- ArcGIS for iOS, Android, Windows Phone
- Collector for ArcGIS
- Operations Dashboard
- Additional Apps

ArcGIS Runtime SDKs
- Mac OS X (Objective C)
- iOS (Objective C)
- Android (Java)
- Linux (C++, Java)
- Windows Phone (SL, XAML)
- Windows (Win Store)
- Windows (WPF)
- Windows (Java SE)

Core ArcGIS Runtime Components
- Geometry
- Sync Framework
- Spatial Reference
- Feature Cache
- Graphics
- Tiles
- Messaging
- Symbols
- Map Display
- 3D
- Map Grids
- More…
Mobile Strategy
Mobile Technology for the Knowledge Worker

ArcGIS

Field Operations
Planning and Logistics
Public Engagement
Mobile Technology for the Knowledge Worker

ArcGIS

Field Operations
Planning and Logistics
Public Engagement
Field Operations

5 Key Activities
• Replace paper maps
• Map infrastructure
• Maintain infrastructure
• Replace paper surveys
• Worker safety
ArcPad

- Full Featured Mobile GIS App
- Ad-hoc data collection projects
- High accuracy GPS
- Configurable
- Custom forms
- Fully Disconnected
- Users typically need GIS Training

Windows 7/8 Laptops

Windows Mobile handhelds
ArcGIS for Windows Mobile

- Configurable workflows
- High accuracy GPS
- Custom forms
- Fully disconnected
- ArcGIS Online/ArcGIS Server

Packaging and Deployment
- Users typically need little training
- .NET/CF API for Windows Tablet/Mobile
- Applications are extensible!

Windows 7/8 Laptops

Windows Mobile handhelds
Trimble Positions

• Enhances data collection capabilities
  - Ensures Positional accuracy
  - Supports post-processing of GPS positions
  - Enables VRS/RTC connection to corrected positions
  - Geo Explorer series, Juno series and Nomad devices

• ArcGIS for Windows Mobile
  - Extends ArcGIS field app
    (Windows Mobile platform only)
  - Extends SDK

• ArcPad
  - GPS Correct Extension
Demo
Chris
Collector

- Collect new GIS features using map or GPS
- Complete intelligent data entry forms
- Attach photos and video
- Find places and points of interest
- Get driving directions to places and features
- Measure distance and area
- Location tracking
What’s Coming Next…

• **ArcPad**
  - Support Data Synchronization using Feature Services
  - Project Hub
  - Quick Fields

• **ArcGIS for Windows Mobile**
  - Parameterized Queries
  - Improved Feature Editing control
  - Disconnected Address search
  - Stability and Performance

• **Collector**
  - Offline map use
  - Line and Polygon Capture
  - Full support for tablet form factors
Mobile Technology for the Knowledge Worker

ArcGIS

Field Operations
Planning and Logistics
Public Engagement
Planning and Operations

3 Key Activities

- Monitor and Manage Operations and Events
- Create and Share plans
- Present/Brief stakeholders

Capabilities

Live maps
Info Graphics
Presentations
Story telling
Redlining
Dispatching
Sharing
...

Platforms

Tablets
Laptops
Smartphones
Operations Dashboard
Monitor day to day operations or events

- Role-based access, configurable
- Widgets
  - Bar Charts
  - Gauges
  - Histograms
  - Indicators
  - Lists
  - Details
- Monitor operations in a control center
- Provide executive view on laptops, touch screen devices
ArcGIS App
Map viewing and display

- Role-based access
- View and Share Maps
- ArcGIS Online/ArcGIS Server access
- Popups
- Search
- Redlining
- Online access only
What’s Coming Next…

• ArcGIS
  - full support for Windows Phone 8
  - Expanded support for scale dependency on layers
  - Support for overriding editing on web maps
  - Support for layer filters on web maps
  - New Layer Support: KML
  - Federated Security

• Operations Dashboard
  - Drive-time widget
  - Enhanced widget support
  - Portal for ArcGIS
Explorer for ArcGIS

- View
- Author
- Collaborate
- Present
- Share

*iPads, Android Tablets and Windows*
Mobile Technology for the Knowledge Worker

ArcGIS

Field Operations
Planning and Logistics
Public Engagement
Public Engagement

3 Key Activities
- Tell Stories
- Inform Citizens
- Crowd Source information

Capabilities
- Live maps
- Info Graphics
- Presentations
- Story telling
- Redlining
- Data Collection
- Sharing
- ...

Platforms
- Tablets
- Laptops
- Smartphones
- Web browsers
ArcGIS Online Web Application Templates

- Standard Viewers
- Story Telling Viewers
ArcGIS Runtime SDKs and Web APIs

Native ArcGIS Runtime SDKs
• Build focused, branded applications
• Rapid development with ArcGIS Online
Demo
Jeff
<table>
<thead>
<tr>
<th>Day</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>ArcGIS for Mobile Overview</td>
<td>07 A/B</td>
</tr>
<tr>
<td>Tuesday</td>
<td>ArcGIS for Windows Mobile - Intro</td>
<td>17 B</td>
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<td>Wednesday</td>
<td>Collector for ArcGIS – Intro</td>
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<td>Road Ahead – Apps/Runtime</td>
<td>Ball 06 C</td>
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<td>ArcGIS for Mobile Overview</td>
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<td>Thursday</td>
<td>Collector for ArcGIS - Intro</td>
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<td>ArcGIS on Smartphones/Tablets</td>
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<td>Friday</td>
<td>Operations Dashboard – Intro</td>
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## Dev Presentations

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<tbody>
<tr>
<td>Tuesday</td>
<td><strong>Windows Phone – Developing Apps</strong></td>
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<td>10:15 – 11:30</td>
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<tr>
<td>Tuesday</td>
<td><strong>Java SE – Developing Apps</strong></td>
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<td>1:30 – 2:45</td>
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<tr>
<td>Tuesday</td>
<td><strong>iOS – Developing Apps</strong></td>
<td>17 B</td>
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<td>1:30 – 2:45</td>
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<tr>
<td>Tuesday</td>
<td><strong>Android - Developing Apps</strong></td>
<td>17 B</td>
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<td>3:15 – 4:30</td>
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<tr>
<td>Wednesday</td>
<td><strong>OS X – Developing Apps</strong></td>
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<tr>
<td>Wednesday</td>
<td><strong>Windows Store – Developing Apps</strong></td>
<td>17 B</td>
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<td>3:15 – 4:30</td>
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<td>Thursday</td>
<td><strong>Qt – Developing Apps</strong></td>
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<td><strong>WPF – Developing Apps</strong></td>
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## Special Meetings

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<tr>
<td>Wednesday</td>
<td>Mobile SIG</td>
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<td>12:00 – 1:00</td>
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<td>Wednesday</td>
<td>ArcPad User Group Meeting</td>
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<td>5:30 – 7:00</td>
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## Esri Product Islands

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<tr>
<th>Day</th>
<th>Times</th>
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<tbody>
<tr>
<td>Tuesday</td>
<td>9:00 – 6:00</td>
<td>Halls B, C, D</td>
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<tr>
<td>Wednesday</td>
<td>9:00 – 6:00</td>
<td>Halls B, C, D</td>
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<td>* Family Night from 4:00 – 6:00</td>
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</tr>
<tr>
<td>Thursday</td>
<td>9:00 – 1:30</td>
<td>Halls B, C, D</td>
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Thank you…

Please fill out the session evaluation

First Offering ID: 637
Second Offering ID: 1215

Online – www.esri.com/ucsessionsurveys
Paper – pick up and put in drop box