EQuIS Data Gathering Engine & EQuIS Collect

EarthSoft Field Collection

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AGENDA

• Comparison EDGE and Collect
• EQuIS Data Gathering Engine (EDGE)
  • Workflow
  • Function & Features
  • Enterprise Field EDD
• EQuIS Collect
  • Workflow
  • Function & Features
  • Enterprise Collect
Field Collection Software

- EDGE – Runs on laptops, and Windows tablets
  - Users need more training than Collect users.
- Collect - Runs on phone, iPads, Android, iOS

- Form layout preferences
  - EDGE forms looks more like a paper form
  - Collect forms are single column fields designed for mobile data entry and swiping

- EDGE – data are uploaded at the end of the day or sampling event
- Collect - data can be immediately reviewed by the managers in the office as data are being collected in the field
- Collect allows end users to see what data other field crews collected.
Product Comparison

- EDGE is better on laptops while Collect forms are designed for mobile devices.
- EDGE users need more training than Collect users.

- EDGE Forms need to be coded.
- Collect has a Forms Designer in Enterprise

- Collect is much easier to use GPS and Barcodes than EDGE (or Windows in general).
# Product Comparison

<table>
<thead>
<tr>
<th><strong>EDGE</strong></th>
<th><strong>EQuIS COLLECT</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Current EDGE 6.6 plus new features (30+)</td>
<td>Completely New Application</td>
</tr>
<tr>
<td>Licensed by device (no change)</td>
<td>Licensed by subscription</td>
</tr>
<tr>
<td>Windows (7 to 10)</td>
<td>All major OS's (iOS, Android, Windows 10)</td>
</tr>
<tr>
<td>PC or Tablet ONLY</td>
<td>Device agnostic (phone, tablet, PC)</td>
</tr>
<tr>
<td>EDGE compatible formats ONLY</td>
<td>Use any EQuIS format</td>
</tr>
<tr>
<td>Static forms library</td>
<td>Collect any data</td>
</tr>
<tr>
<td>New forms added by developers</td>
<td>Build Forms using the Enterprise Forms Builder</td>
</tr>
<tr>
<td>Connects to data loggers</td>
<td>Deploy Forms instantly to users in the field</td>
</tr>
<tr>
<td>Supports full SPM</td>
<td>Forms status viewed in real-time on Collect and Enterprise</td>
</tr>
<tr>
<td></td>
<td>Connects via BlueTooth to data loggers</td>
</tr>
<tr>
<td></td>
<td>Supports full SPM</td>
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</tbody>
</table>
EDGE Workflow

1) Download EQuIS Data Gathering Engine (EDGE) from EPA Region 4 download page: https://earthsoft.com/products/edp/edp-format-for-epar4
2) Install and open get registration key (by device).
3) Log into EQuIS Enterprise and run the Field EDD report
4) Collect data on the selected Form
5) Push saved Forms from EDP to EQuIS
6) View status of EDD on Enterprise (Accepted, Rejected)
7) Repeat 4 through 6 as needed
EDGE Function & Features

• Windows laptop or tablet
• Licensing by device
• Generate Field EDD from Enterprise Dashboard
• Requires an EQuIS User Certificate
• EPA Region 4 form pre-built, includes configuration file
• Work offline, submit data when connection is available
• Data can be uploaded from EDGE to local EQuIS Professional for reporting prior to submittal to EPA
EDGE Enterprise Field EDD

SPM Task Filter
- Sampling Company Code(s)
- Only Task Locations false
- Include SPM COCs for Selected Tasks false
- User(s)
- Include Subfacilities false
- Only Selected Locations false

Reference Locations
- Individual(s):
  - Group(s): GMH_Wells
  - Coord_Type_Code
  - Identifier PRIMARY
  - Status Flag
- Include Flow Parameters false
- Task Code(s)
- Select Format EDGE
- Select Segment Type for Top of Screen and Well Diameter
- Reference Elevation top_casing_elev

Historical
- Scribe (leave default if SESD only)
  - Starting CLP Number D0AA0
  - Output File Type: xls
### Field Sample Form

**Location:** 601  
**Total Depth:**  
**Latitude:** 28.05281  
**Longitude:** -82.320111  
**Top of Screen:**  
**Bottom of Screen:**  

**Weather:** 
**Air Temp (°F):**  

**Measurement Equipment:**  
**Equipment:**  

**Sample:**  
**Sample Date:** 08/07/2018  
**Sample Time:** 15:05  
**Sample ID:** 601Pv0818  
**Sampler Name:** Fortson, Don  
**Comments:**  

**Sampling Company:** R4-SESD  

**Water Level and Purge Data:**  
**WL Measurement Time (24 hr):**  
**Est. Water Level Range:**  
**Depth to Water:**  
**Water Column:**  
**Well Diameter (in):**  
**Well Volume:**  

**Field Results:**  
**Add:**  
**Remove:**  
**Refresh:**  
**Lock:**  
**AutoFit:**  
**Analyze:**  

**Time:**

### Intelligent Bar
- **Volume**
- **Depth to**
- **Colo**
- **Turbri**
- **Temp**
- **Specific Co**
- **DO**
- **pH**
- **Oxidation/Red**
1) Download EQuIS Collect from the appropriate app store
2) Login to Collect using EQuIS credentials
3) Access Forms assigned to your specific user group(s)
4) Select a Form from the list
5) Collect data on the selected Form
6) Push saved Forms from EDP to EQuIS
7) View status on Collect (Received, Accepted, Rejected, Completed)
8) Repeat 5 through 7 as needed
Collect Features & Functions

• iOS, Windows, Android Support
• Subscription licensing
• EQuIS Collect dashboards managing Forms and Users
• Form Builder with advanced logic capabilities (required, editable, visible, validation, calculations, persistent, history)
• EPA Region 4 Forms Library (Standard library 50+ Forms)
• Intuitive User Interface
• Works offline after initial login
• Data uploaded to EPA Region 4 upon save
• Forms status notification
<table>
<thead>
<tr>
<th>Name</th>
<th>Facility code</th>
<th>Forms</th>
<th>Format</th>
<th>User Groups</th>
<th>Date</th>
<th>Uploaded</th>
<th>Status</th>
<th>Reports</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>JCM Test</td>
<td>110007659747</td>
<td>Water Samples Region (Version: 1.1)</td>
<td>EDGE</td>
<td>Team A</td>
<td>2019-08-01</td>
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<td>Team A</td>
<td>2019-07-23</td>
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<td>110007659747</td>
<td>Water Samples Scribe (Version: 1.0)</td>
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<td>2019-07-19</td>
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</table>
Collect Interface

- **Templates/Forms**
  - **Forms**
  - **Templates**

  - **BoringLog2**
    - BoringLog2
  - **BoringLog2_Copy**
    - BoringLog2
  - **Tornado Inspection2**
    - Tornado Inspection2

- **EDIT FILTER Templates**
Features & Functions

• Supports georeferenced data (Map Views)
  • User events and locations in Map Views
• Manages structured or unstructured data
• Boring logs created online
• Sketch Pad on a base map
• Offline print capable
• Capture Signatures
• Field data key performance indicator (KPI) charts in the Dashboard
• Support field event instructions included (historical, graphics, logs, maps...)
Thank You

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