Use of CAPI for agricultural surveys

Tablet management, configuration, useful apps, and equipment/accessories
Overview

- Tablet management
- Tablet configuration
- Useful apps
- Equipment/Accessories
Tablet management

• After tables are procured, mgmt should carefully catalogue each unit and assign a coding system.
• The code can be the serial number, or in some way linked to the serial number.
• This code will allow managers to keep track of each individual tablet, and link them directly with Supervisors and Enumerators.
Tablet management

- The coding system can even come in handy when creating email addresses, and google accounts for enumerators, etc. This code can become part of your data management system.

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Internal code</th>
<th>gmail address</th>
</tr>
</thead>
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<td>MacBook Pro Model No: A1278</td>
<td>NA</td>
<td></td>
</tr>
<tr>
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<td>GALAXY TAB4</td>
<td>GT4.2</td>
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<td>GALAXY TAB3</td>
<td>GT3.1</td>
<td>GlobalStrategyGT31</td>
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</table>
Tablet management

• Labels should be placed on the tablets that provide contact details of survey management incase the tablet is lost.
Tablet configuration

• For the enumerator tablets, the Interviewer application will need to be installed. Notably, once the tablet has been synced w/ a server, it cannot be synced with another server without clearing the data from Settings-> Application Manager -> Interviewer -> Clear data.
Tablet configuration

• All applications that **can be deleted** and not used for data collection, communication, or navigation should be deleted.

• **Applications which cannot be deleted** and are not useful for data collection, communication, or navigation should be **locked** using Perfect AppLock which can be d/l’ed from GooglePlay store.

• Tablet should be encrypted, and password should be kept with the code, and other information.
Useful apps

• Navigation
  – Google Maps
  – Google MyMaps if shapefiles are available

• Communication
  – Gmail: each tablet should have a corresponding email address allowing managers to send messages to all enumerators.
  – Google Hangout

• Configuration
  – Perfect AppLock
Equipment/Accessories

• Tablets
  – Any tablet as long as it runs Andriod > 4.3
  – Screen size 7”, 8”, 10” are suitable. Larger isn’t necessary.
  – WiFi module, and allow SIM cards (2 sim card slots may be useful’)
  – GPS sensor
  – Camera
  – Battery: shoot for at least 8 hours of life.
  – Tested models: http://www.worldbank.org/capi
Equipment/Accessories

• Tablets (accessories)
  – Cover for storage and protection
  – Bag for concealing tablet
  – Anti-glare film
  – Extra battery pack or recharger
Equipment/Accessories

- Laptops: For supervisors
  - Screen size: 14-inch or more
  - Memory: 2Gb and more
  - OS: doesn’t really matter, just need a browser

- Server:
  - OS: Windows Server 2008 or newer
  - CPU: 2 cores or more
  - Memory: 3.5 Gb or more
  - HDD: 50 Gb or more
  - IIS set up, with ASP.NET MVC Version 4.0
  - HTTP (port 80) traffic allowed firewall
Equipment/Accessories

• Connectivity
  – HQ, and Supervisors have to have internet access to use server.
  – Interviewers do not necessarily need internet access if there can transmit data via Wifi to Supervisor.
  – A wireless router in the office is useful for troubleshooting and practice with tablets on 3G connections. This saves money on data as well.
  – In the field, a mobile battery operated router can be used for a LAC so multiple devices can transmit data.