
M-ICAP – Mobile GIS Information Capture Tool

About:

M-ICAP tool (Mobile Information Capture) is an OGC compliant web-based mobile GIS application that can be deployed in mobile devices like UPDs, iPads, android phones, tablets etc. for efficient field data collection. The data capture mechanism is available in both online and offline mode. For devices, the pre-installed application plug-ins for GPS and camera prove vital for locating, route-tracking and image capture operations. M-ICAP also facilitates report generation which enable users to inspect the data collection progress, generate statistics & summary reports, display the status as maps and download them in PDF formats. This tool is currently being used by a major telecom company in United States.



Specifications:

Built using latest web technologies like HTML5/CSS3 in the JSON platform, the user interface of the application is based on Sencha touch framework.

Features:

- Online/offline data capture
- GPS based navigation
- Cloud support for map & geocode services
- Data storage and retrieval mechanism
- Google/Bing satellite imagery support
- Facilitates spatial queries
- Authentication services

Benefits:

- Highly efficient and accurate than conventional "paper fielding" data collection methods
- Can be deployed on a variety of mobile devices
- Low cost, No licensing fees
- Highly scalable and easier access to functions
- High performance leveraged by Cloud Mapping & Tile Engine services
- Suitable for telecom, utility, power, transportation, wildlife and environmental monitoring agencies and departments.