Utilities and telecoms competitive service providers (CSPs) continue to focus on field operations as a means to drive reliability, efficiency and improved customer satisfaction for their business. Managing the increasingly complex network of assets requires Utilities and CSPs to reduce cycle times and break down barriers between the office and the field. GE’s Mobile Enterprise Suite offers the latest advancements in mobile technology and applications for uniform data access and field automation across the enterprise.

This suite of solutions extends critical back office functions to the field, enabling office and field personnel to visualize and share network data and work tasks in real-time, agnostic of the mobile device or operating system in use. With our unique collective knowledge of software development, equipment manufacturing, and deep domain expertise in the utility and telecommunications industries, GE’s mobile applications are specifically designed to maximize enterprise efficiencies with tools that are easy to deploy, use, and manage.

GE’s Mobile Enterprise Suite of field automation applications allows customers to unlock the value of their back office systems by extending capabilities to the field including:

- Damage Assessment
- Mutual Assistance
- Field Asset Viewing
- Asset Update
- Field Inspections
- As-built / Design Update

Data Anytime, Anywhere, on Your Device

Utilizing GE’s Predix™ software platform for industry-grade control and insights to your network and operations, GE’s Mobile Enterprise Suite of applications are agnostic of mobile device type and operating system. From Windows®, Android®, and iOS™ operating systems running on mobile phones, smartphones, tablets or other handheld devices, field crews have real-time access to network data – anytime, anywhere.
GE’s Mobile Enterprise Suite

GE’s Mobile Enterprise Suite of software solutions extends critical back office functions to the field, allowing office and field personnel to visualize and share network data and work tasks in real-time, agnostic of the mobile device or operating system in use. Operations, including asset updates can be performed in the field, driving greater efficiencies across the enterprise and offering end-to-end work processes. When an outage occurs, GE’s Mobile Enterprise Damage Assessment app enables crews to respond quickly using correct information and achieve faster restoration times.

Back office data and systems seamlessly integrate with mobile devices so that all users across the enterprise, regardless of their location, have access to the most up-to-date network asset data. Focused on preserving data integrity, database updates are implemented by automated services, streamlining what was previously a manual process.

With online and offline support, field crews are empowered to access critical asset data regardless of location, device, or network coverage.

Integrated and Streamlined Business Operations

GE’s Mobile Enterprise Suite enables users to maximize the value of data through seamless integration between its mobile capabilities and existing back office systems (GIS, OMS, DMS, ADMS, EAM, ERP), regardless of the mobile device type or operating system in use. Based on a ‘single truth’, all users across the enterprise access the most up-to-date network asset data as part of the work package rather than managing cumbersome extracts. This enables users to realize the power of data access anytime, anywhere with mobile apps that run on any device.

Providing a Powerful Field User Experience

GE’s Mobile Enterprise Suite delivers an easy and convenient single field focused user experience. In storm situations or other unplanned events, mutual assistance support allows neighboring crews and emergency personnel (police, fire) to capture and act on network damage information very quickly, thereby improving the accuracy of Estimated Time to Restoration (ETR) information, enabling Utilities and CSPs to focus their resources more effectively on the work needed to restore services.

Flexible Deployment & Simplified Management

Mobile & Back Office Integration

Maximize the value of data through seamless integration between mobile capabilities and existing grid operations.

Field Crew Mobile Access

Empower field crews with critical asset data regardless of location, device or network coverage.
Damage Assessment App

When an outage occurs, response and restoration time is critical. GE’s Mobile Enterprise Damage Assessment app enables crews to quickly download network circuit data, view the facilities, perform comprehensive damage assessment, report the damage (including pictures and comments), and estimate the restoration time. By putting critical data in the hands of the field crew, the Utilities and CSPs can reduce truck rolls and eliminate overlapping assessments. With field crews in close coordination with the rest of the operation, Utilities and CSPs can realize faster restoration times, reducing customer downtime by hours or even days, depending on the storm severity.

The Damage Assessment app allows the field user to place new work location points on the map and auto-populate damaged assets with a single tap or mouse click.

Additional features include:
- Asset based damage collection
- Configurable damage assessment forms
- Sizeable radius work location selection
- Lasso highlighting patrol tool
- Association of situational related pictures
- OMS workflow integration to initiate assessments and receive results

Circuit identification, selection and highlighting allow the field crew to visualize and report asset associated damage faster than ever before.

Field Inspection App

GE’s Mobile Enterprise Field Inspection App offers an inspection platform to support all inspection and compliance workflows across the field organization. Flexible technology offers the ability to configure and manage field work in support of an ever changing regulatory environment.

Additional features include:
- Color coded workflows to support inspection timelines
- Configurable data capture forms
- Inspection project progress dialog
- Association of situational related pictures

Integration API to inspection and compliance systems
Field Data Collection App

GE’s Mobile Enterprise Field Data Collection App supports field asset collection, attribute updates, movement and removals of critical network assets. Our solution supports network accuracy by placing the tools in the hands of the field workers to fully support the back office network updates.

Additional abilities include:
- Edit attributes
- Move or alter geometries
- Place new assets and remove assets
- Enter field related notes or redlines
- Associate situational related pictures

Pole Attachment Survey App

Inspection activities are vital to field operations and provide value by maintaining critical network assets. Unique to the pole attachment survey process, joint use inspections can assist in driving revenue by auditing third party attachments to the infrastructure. GE’s Mobile Enterprise Pole Attachment Survey is a simple but powerful field app allowing a field engineer to quickly verify existing attachment data as well as update joint usage seamlessly with the back office GIS.

GE’s Mobile Enterprise Pole Attachment Survey App offers the following:
- End to end joint use workflows
- Integration to the GIS – limiting data entry by leveraging existing data in the GIS
- Simple audit forms for existing joint use attachments
- Ability to capture new poles or edit attributes of existing poles
- Offline support

With GE’s Mobile Enterprise Pole Attachment Survey App, customers can focus on field work processes to ensure compliance within their network and drive revenue for the joint use programs.

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