Maximo Anywhere Is Taking Off!

March 2016

Dave Calvert – Offering Manager, Mobile Products, Maximo

Please note

Agenda

Mobile Vision and Strategy for Maximo Anywhere

Product Update

    Our Latest Apps & Functional Arrivals

Our Path Forward

Questions

Maximo Anywhere

Mobile Vision & Strategy

Mobile continues to explode in the enterprise

(2014) 60% of large companies used **3 or fewer mobile apps**[1]

The number of custom mobile apps **will double** compared to 2014[2]

The number of enterprise mobile apps is **expected to quadruple**[3]

85% of companies have a **mobile backlog of up to 20 app**[4]

Mobile app development will out number PC **projects 4:1**[5]

More than half of b2e apps will be **created by the enterprise**[6]

2014   2016   2018

Leverage IBM MobileFirst in Meeting Mobile Needs for Maximo

- Maximo Anywhere is built upon IBM MobileFirst Platform (formerly IBM Worklight)

- Reduce customer costs with single platform for <u>entire portfolio</u> (Maximo, Industry Solutions)

- Provide ready made functional apps plus the platform to extend and create new apps

- Solve the Maximo focused business challenges, and provide the tools for meeting a customers' enterprise wide mobile strategy
  - Respect configurations in Maximo & Maximo business objects
  - Connected and Disconnected use
  - Android, iOS, and Windows support

Product Delivery Strategy

Evolving the Anywhere applications independently of the Anywhere platform

Deliver the apps when they are ready without waiting for any platform enhancements to arrive by leveraging the ISM Library

Maximo Anywhere

Product Update

Maximo Anywhere Applications - Just a Short Time Ago!!!

- **Android, iOS, & Windows support**

- **Maximo back end integration**

- **Connected/Disconnected operation**

- **Work Execution application**
  - Review planned details, materials, labor, tools, task details
  - Feed back on actual materials, labor, tools
    - Provide Meter readings and Failure Codes
    - Review Attachments and provide photos linked to work
  - Start/Stopwatch buttons (quick, minimum click completion)
  - Review map (ESRI) with assigned work locations, directions
  - Status changes, create new work, create follow-up work
  - Work Log (voice to text)
  - Barcode scanning

- **Work Approvals application**

- **Inspection application**

- **Physical Count application**

- **Work Execution w/Classif. & Specif.**

- **Administration apps**

New With This Release !
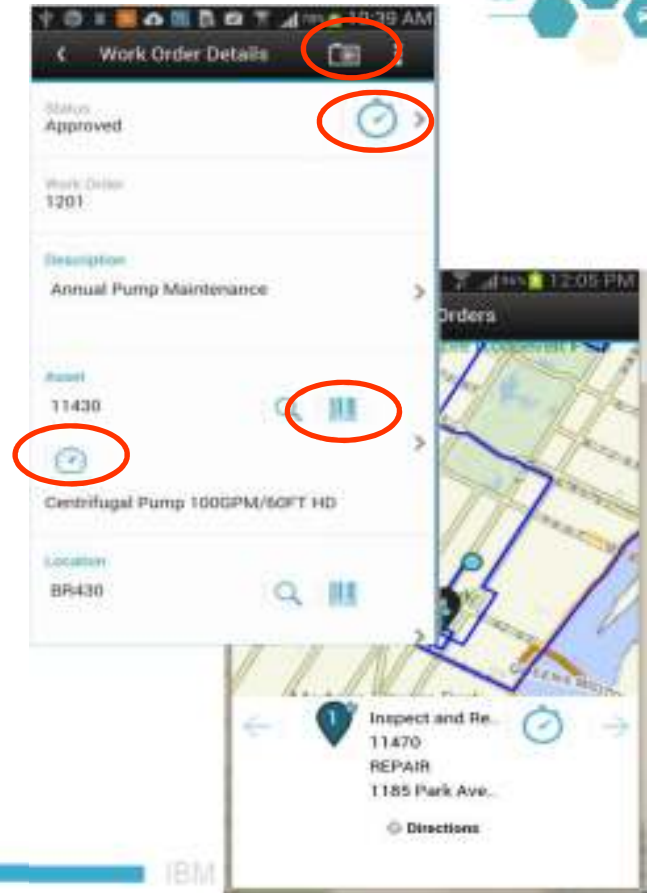
IBM

Maximo Anywhere – App Delivery

June 2015	September 2015	Oct/Dec 2015
Work Execution	Service Request	Material Transfer & Receipt
Work Approval	Asset Data Manager	Asset Audit
Physical Count	Issues & Returns	Work Execution w/Calibration
Inspection		

Key Platform Features

- Camera and Barcode support
- RFID support
- Voice to Text
- E-Signature
- Real Signature
- Error Handling
- App Version management
- GPS Support
- Offline map (ESRI) and Online - ArcGISOnline
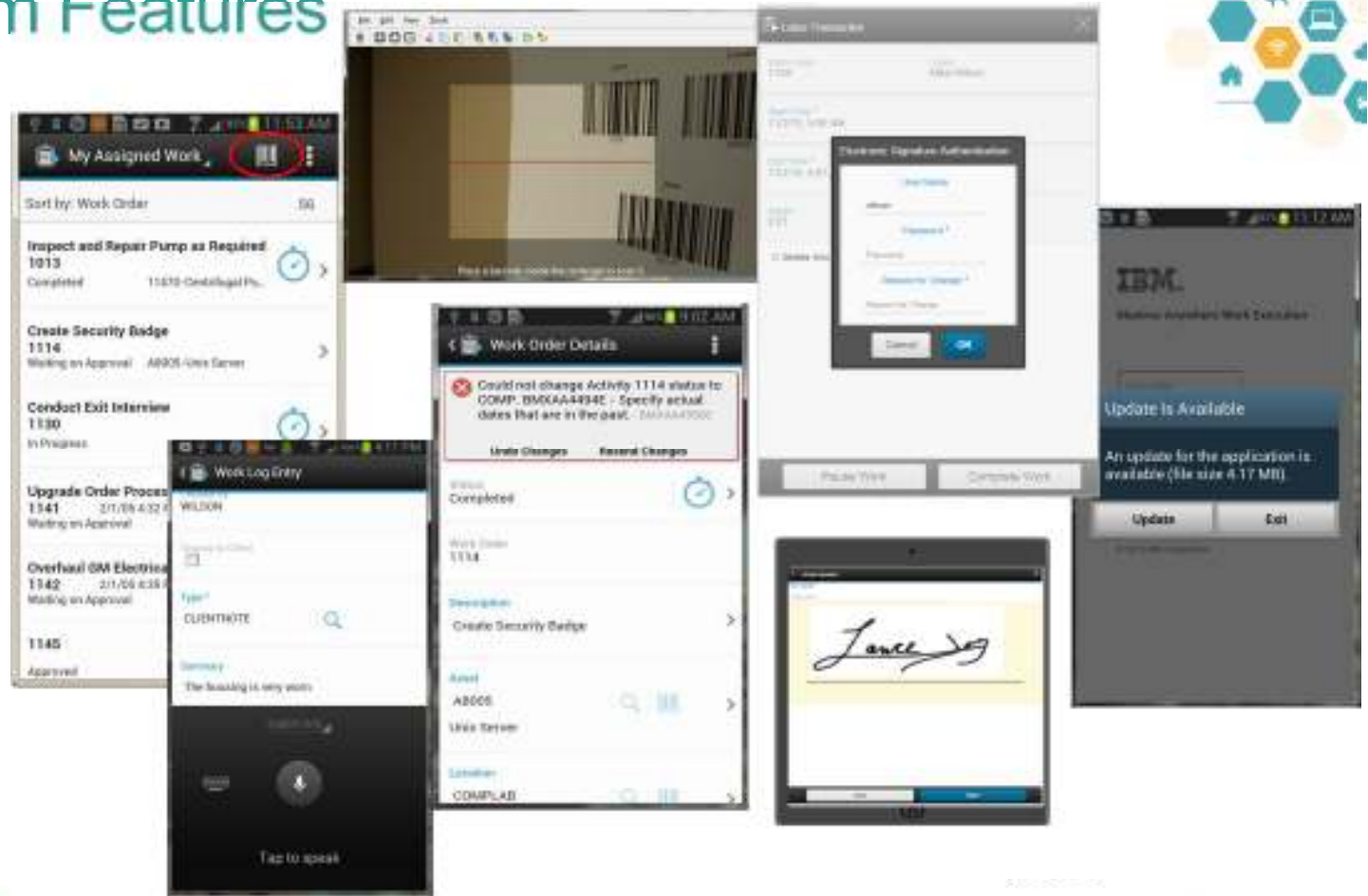
Maximo Anywhere

Our Latest Mobile Apps
& Functional Arrivals

Style Updates

Updates to the user interface designed to provide a positive user experience

- Alternating List Item Color

- More item separation

- New list header color

Asset Data Manager

Asset Data Manager app capabilities

- Obtain list of responsible assets
- Identify status changes for the your assets
- Verify asset details
- Report downtime on the asset (also in Work Execution app)
- Provide asset performance data (meters)
- Respect child asset relationships
- Create new assets
- Leverage barcodes
- Search Assets

Issues & Returns

Issue & Returns app capabilities

- Issue items or tools to work orders from a storeroom
- Connected only (significant implications of transactions occurring in disconnected mode)
- Leverages Inventory Usage Documents
- View reservations on Work Orders or Assets
- Rotating Items
- Utilize barcode scanning
- Follows all Maximo inventory transaction rules

Material Transfers & Receipts

Material Transfers & Receipts app capabilities

- Transfer items from storeroom to storeroom or across sites
- Receive items at arrival storeroom
- Receive items from Purchase Orders
- Utilize barcode scanning
- Follows all Maximo inventory transaction rules
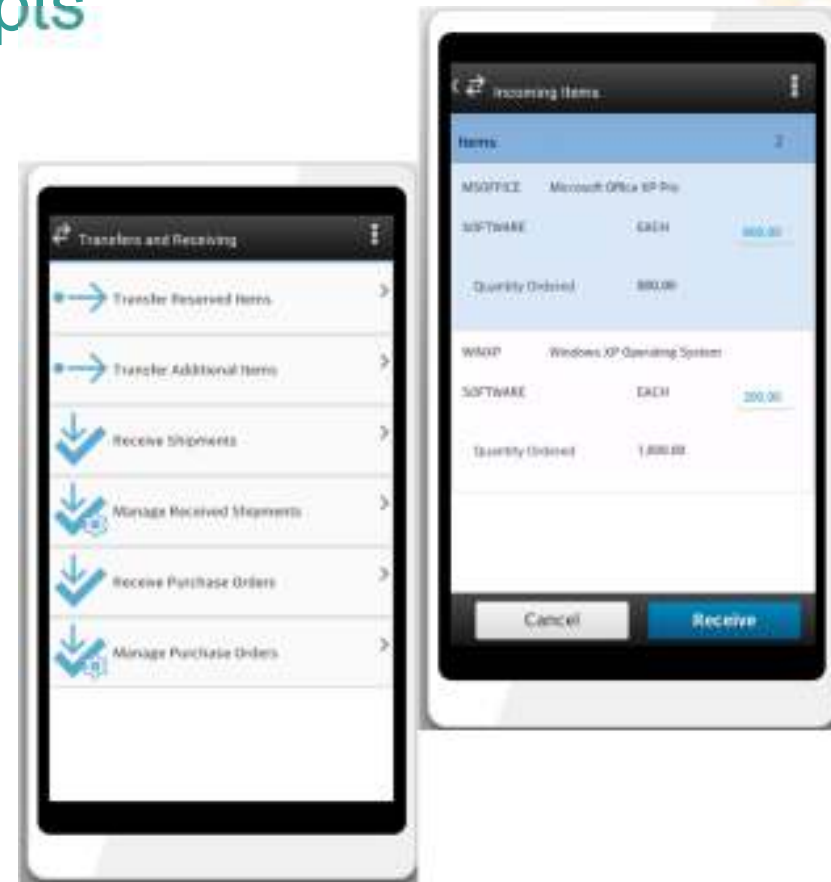
Service Request

Service Request app capabilities

- Submit Service Requests

- Check on users reported SRs

- Leverage barcodes

- Report on Asset or Location

Asset Audit

Asset Audit capabilities:

- Audit Assets within a Location

- Reconcile findings with Maximo

- Create new Assets on the fly

- Barcode supported & RFID enabled (Dec 2015)

- Add specification attributes, photos

- Change Asset status

Calibration
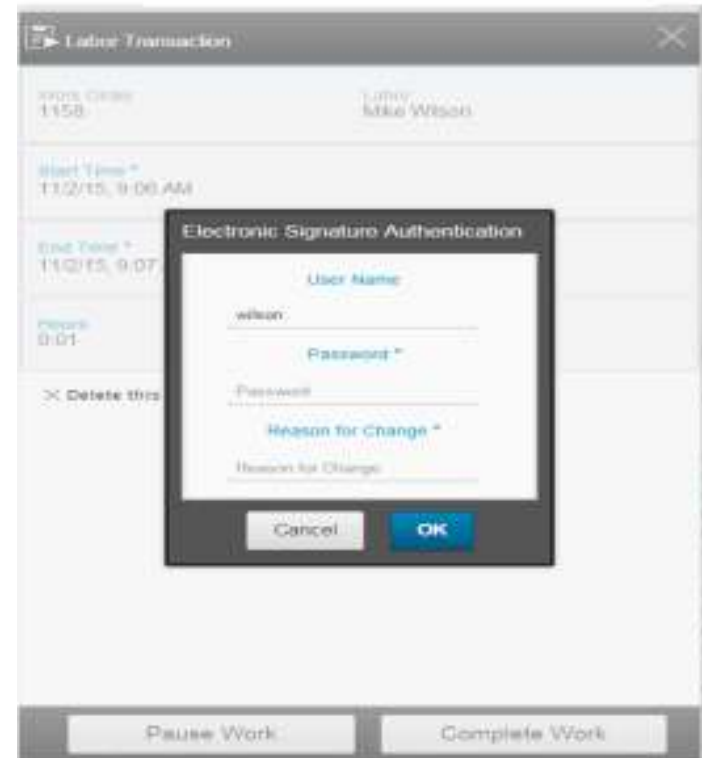
Calibration capabilities:

- Receive calibration work orders

- Capture as found/as left calibration point details
  & tolerances

- Record calibration tool details

- Determine pass/fail status

- Handles connected and disconnected use cases
  scenarios

- Filter via barcode
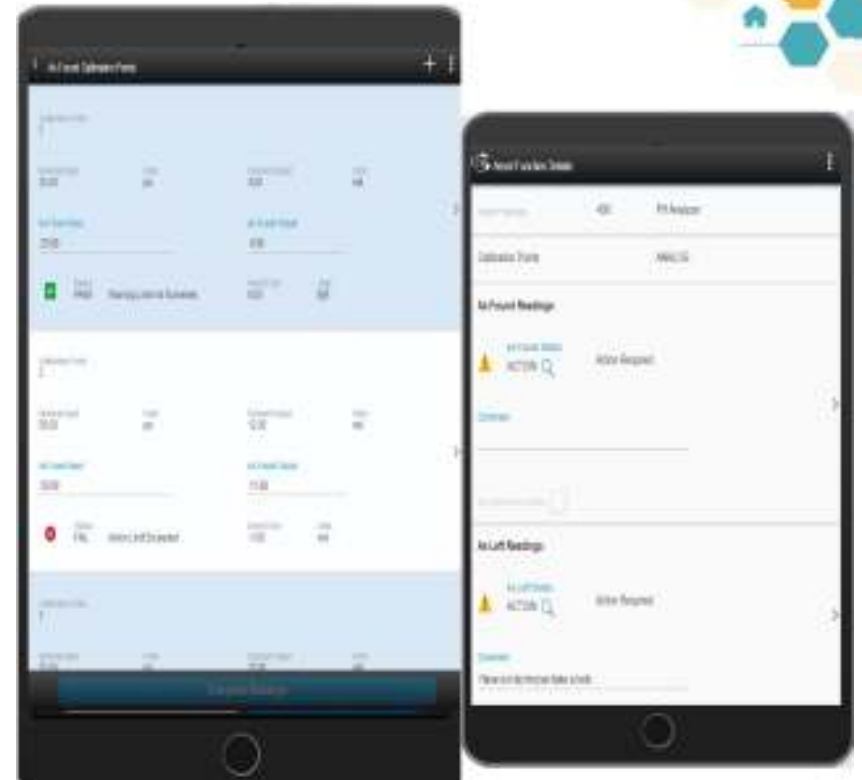
E-Sig Options

- Provide e-sig validation where your business processes require

- Enable within Maximo and the app.xml

- Customize it for specific business process

Real Signature Capture

- Platform level capability provided for Work Execution & Inspection

- Convenient menu choice access

- Stores name of the signee, signature, date/time stamp

- Stored as attachment

- Connected/disconnected

Maximo Anywhere

Our Path Forward

Maximo Anywhere Offering – Roadmap

Q3 2016

ISM Deliverable
March 2016

Platform

Push Notifications
Launch in Context (SCHAD)

Application/Functional

Additional RFID Scenario Support

Additional Calibration Capabilities

Offline Maps

ADM – Class/Specification

ADM – Asset Move

ISM Deliverable
June 2016

Platform

Configuration Docs

Application/Functional

Additional Calibration capabilities

ESRI Maps on Windows Maps

Q3 2016

Platform

Push Notifications
Launch in Context
Configuration Docs
Accessibility

Application/Functional

Additional RFID Scenario Support

Additional Calibration Capabilities

Offline Maps

ESRI Maps on Windows

ADM – Asset Move

ADM – Classif/Specification

Maximo Anywhere Roadmap

Maximo Anywhere 7.6

Additional Applications

- Asset Data Manager
- Work Ex. w/Calibration
- Asset Audit
- Material Transfers & Receipts
- Service Request
- Issues & Returns

New Functional Enhancements
Report Downtime
Asset Moves
Work History

New Platform Enhancements
E- Sig & Signature Capture
RFID, GPS
Style & Usability Changes
iOS 9.x   Win10

Maximo Anywhere 7.6.1

Application Level

Additional Calibration functions

Additional ADM functions

Additional RFID Scenarios

Platform Level

Push Notifications

MobileFirst Currency

OS Currency

Launch in Context

Accessibility

Maximo Anywhere 7.next

Application Level

Extensive map enhancements

Material Requests

Asset visibility on maps

Linear Assets

Location based services

Platform Level
Crews & Crew Composition

App Relationship

OS Currency

MobileFirst Currency

A Partial View of Development Focus Areas for Future Releases

Platform
Push Notifications
MobileFirst Currency
Further style and UX enhancements

Applications
Crews & Crew Mgmt
Inventory Pick List
Linear Assets, maps, Location Based Services
Updates on current applications

Industry Solutions
Incident Manager (HSE)
Station Rounds (Nuclear)
Permit Request (O&G)
CU InProgress Enhancements (Utilities)

Maximo Anywhere packaging with the 7.5.2 release continues with the 7.6 release

In an effort to make it more simple for our Maximo customers…

Anywhere customers may leverage all Anywhere mobile apps without having to purchase additional bundles!

*Industry Solution mobile apps excepted

Maximo Anywhere Licensing & Migration Options

- **Authorized User Licensing metric**

- **Includes use of <u>all</u> Anywhere applications**

1) Mobile Only: Requires only the Maximo Anywhere licensing to use the Anywhere mobile apps. Users only access Maximo via Anywhere apps.

2) Mobile & Desktop: Requires Maximo Anywhere and appropriate Maximo core entitlement. Sold/priced as an Add-on to Maximo license

3) Existing Maximo Mobile customers: May migrate their licenses (in whole or in part) to Maximo Anywhere at no charge when similar functional apps exist

4) Trade-up from Maximo Everyplace: Can purchase trade-up licenses to move from Maximo Everyplace to Maximo Anywhere

Globalization

IBM Maximo Anywhere supports the following languages:

- English
- Brazilian Portuguese
- Czech
- Danish
- Dutch
- French
- Finnish
- German
- Hungarian
- Japanese

- Korean
- Norwegian
- Polish
- Russian
- Simplified Chinese
- Spanish
- Swedish
- Traditional Chinese
- Italian

Value to Asset & Facility Customers

- Single mobile platform for the entire portfolio
  - (Maximo, Industry Solutions, TRIRIGA)

- Value based Mobile Application philosophy
  - Deliver many lightweight, role focused mobile apps

- Protected investment
  - Current Maximo Mobile customers migrate entitlement to Maximo Anywhere when similar functional apps are available
  - Migrate/transition all or a portion of their mobile user community

- Enterprise mobile app development via MobileFirst Platform components
  - Use the same tool set to satisfy enterprise wide mobile requirements beyond Maximo applications

IBM**MobileFirst**

Information Sources

Dave Calvert – Offering Management dcalvert@ca.ibm.com

Product Page

http://www-03.ibm.com/software/products/en/maximo-anywhere

Product Announcement

http://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/3/760/ENUSJP14-0603/index.html&lang=en&request_locale=en

Maximo Anywhere Knowledge Center:

http://www.ibm.com/support/knowledgecenter/SSPJLC_7.6.0/com.ibm.si.mpl.doc/welcome.html?lang=en

Thank you …

Backup

Map Enhancements

Maximo Anywhere 7.5.2 provides two types of maps for the user:

- ESRI Online maps: works when device is connected;

- Does not require tpk deployed on device

- ESRI Offline maps: works regardless of connection status

- Shows map data last acquired during last connection.

Additional enahancements common to both map types:

- Map now available on Work Order Details View

- Mobile technician can see the location of the current work order and get directions from current GPS location

- Automatic zoom

- Automatic centering

- Route line width and color
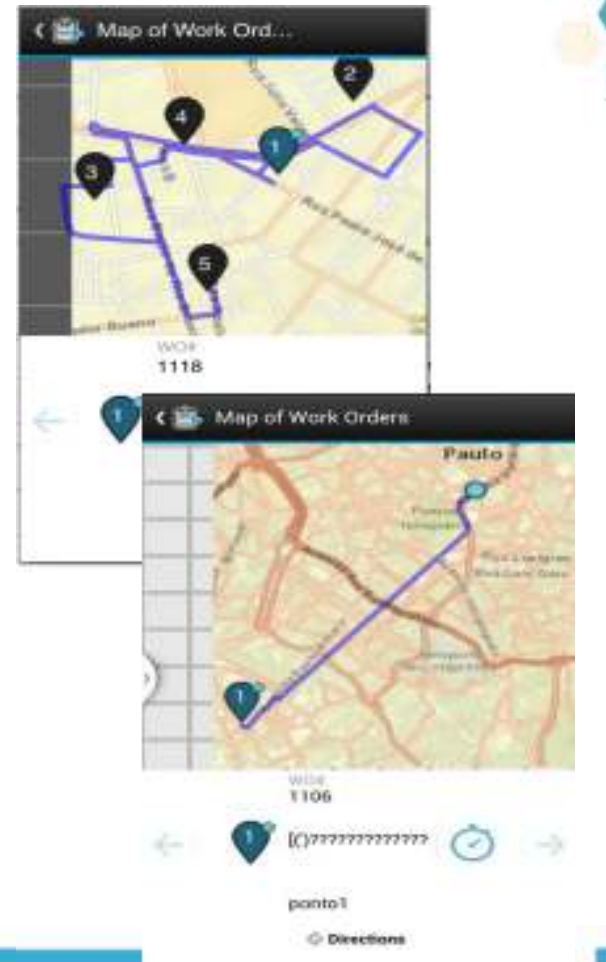
Inspection – Detail Screen

Task Oriented

When customer utilizes a Task oriented approach to Inspections,

they have the ability to leverage the quick "Complete"
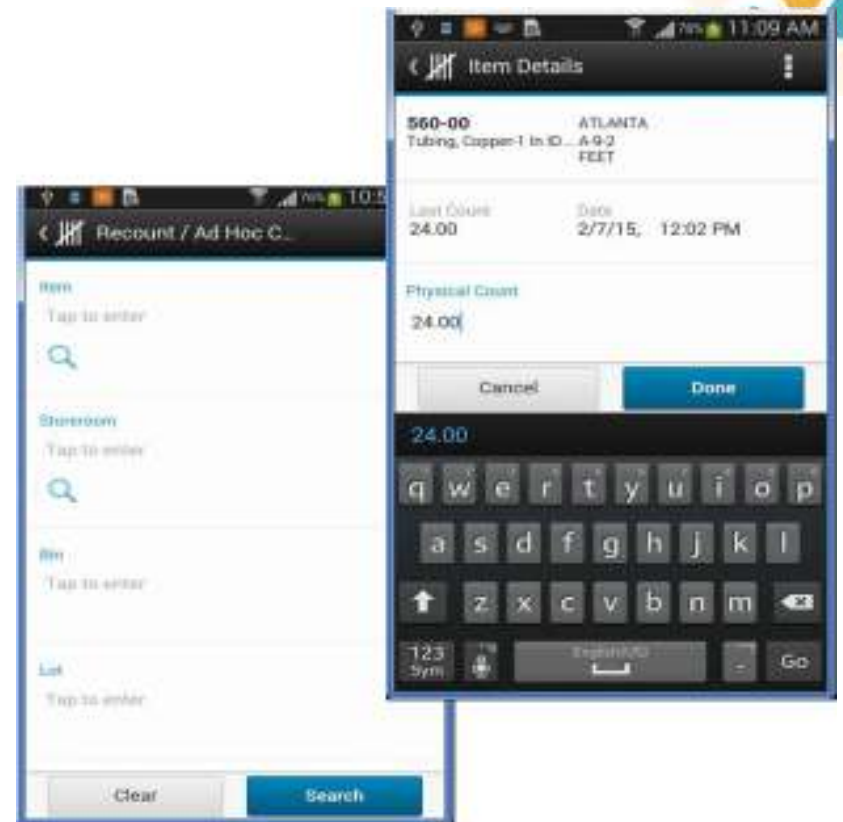
buttons….
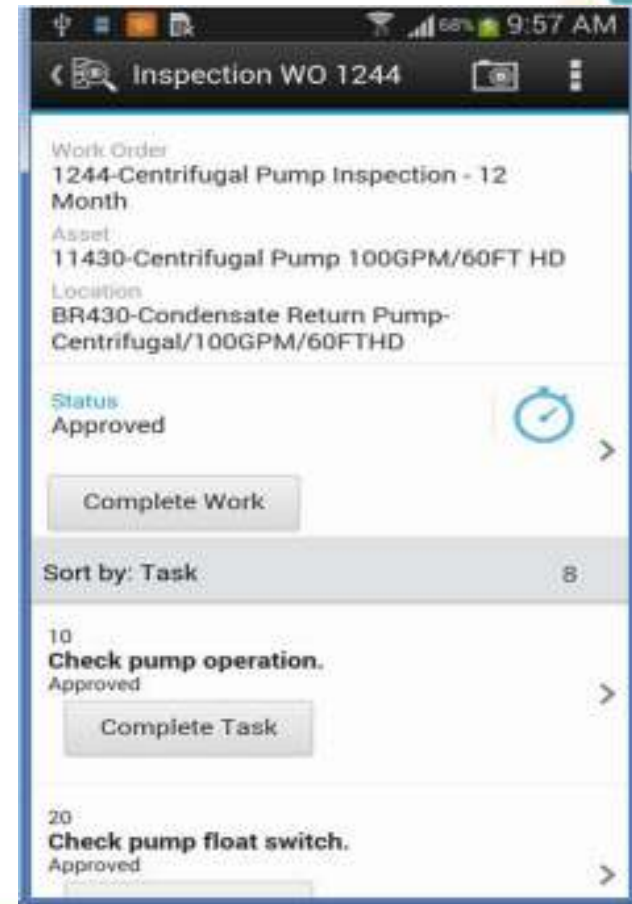
Physical Count – Details

Supports multiple counting processes

Ad hoc counting – counting items not on the count list

Recounting - counting items that were already counted
(more found)

Intuitive differentiation of Ad Hoc vs Recount based on
count history

Records deemed recounts receive the past count history
presented to the user

Maximo Anywhere

Classification & Specification for Work Execution

Classification and Specifications

- New ability to view or declare Classification and review, capture, or change attributes

- The Classification field is presented on the work order detail screen, as well as the Create New and Follow-Up Work Order detail screens

- This row will display the Classification Path and its description

- Users may select a Classification or change the current Classification
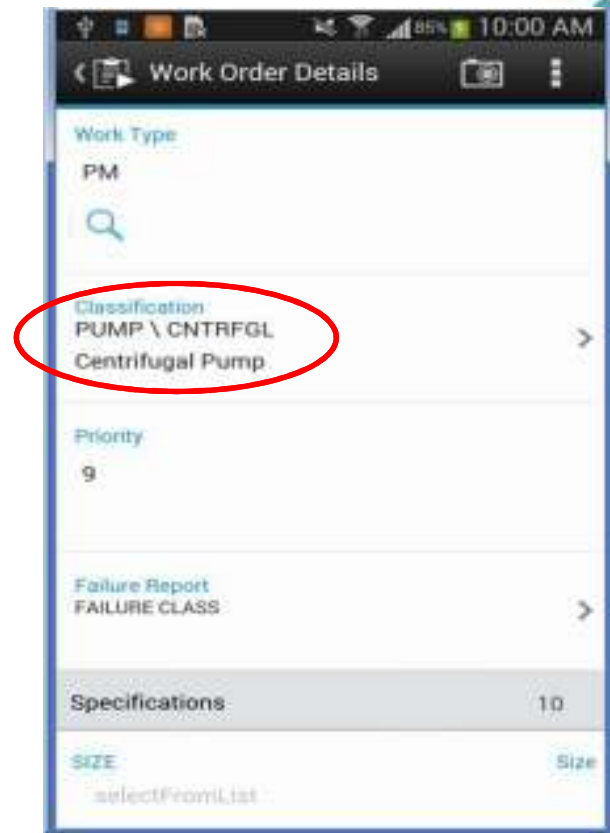
Classification Specification - Attributes

- Attributes associated with the defined Classification will be displayed in the 'Specification' section

Maximo Anywhere

Licensing Details

The Value of the Anywhere Platform

Seamless connected and disconnected support to accommodate all use cases

Performance, Scalability, and Reliability of communication through OSLC
    integration

Extensibility – Configurable model in line with MBOs

Security – Authentication and Authorization

UI Components (complex list, toolbar, etc)

Features and capabilities

- Offline maps

- Turnkey Barcode scanning on fields and lists

- Attachments

Domain knowledge included in out of the box applications

Maximo Anywhere Original Applications

- **Android, iOS and Windows support**

- **Maximo back end integration**

- **Connected/Disconnected operation**

- **Work Execution application**
    - Receive work
    - Review planned details, materials, labor, tools, task details
    - Feed back on actual materials, labor, tools
        - Provide Meter readings and Failure Codes
        - Review Attachments and provide photos linked to work
    - Start/Stopwatch buttons (quick, minimum click completion)
    - Review map (ESRI) with assigned work locations, directions
    - Status changes, create new work, create follow-up work
    - Work Log (voice to text)
    - Barcode scanning
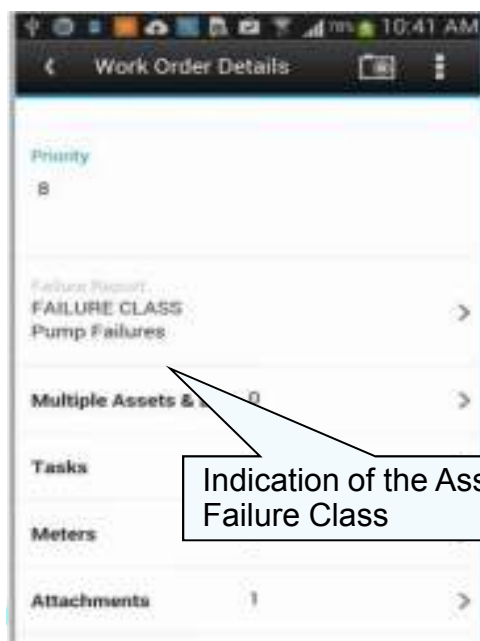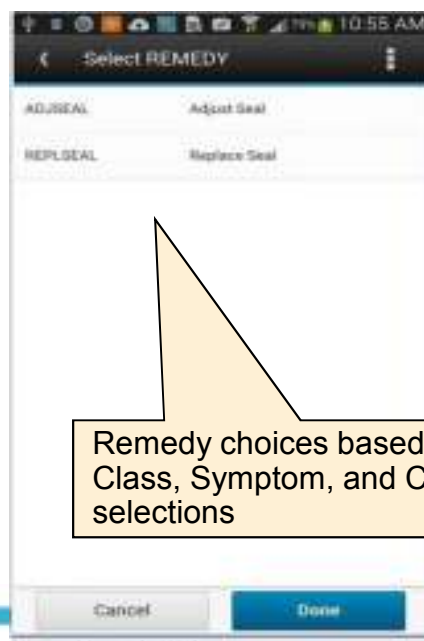
- **Work Approvals application**
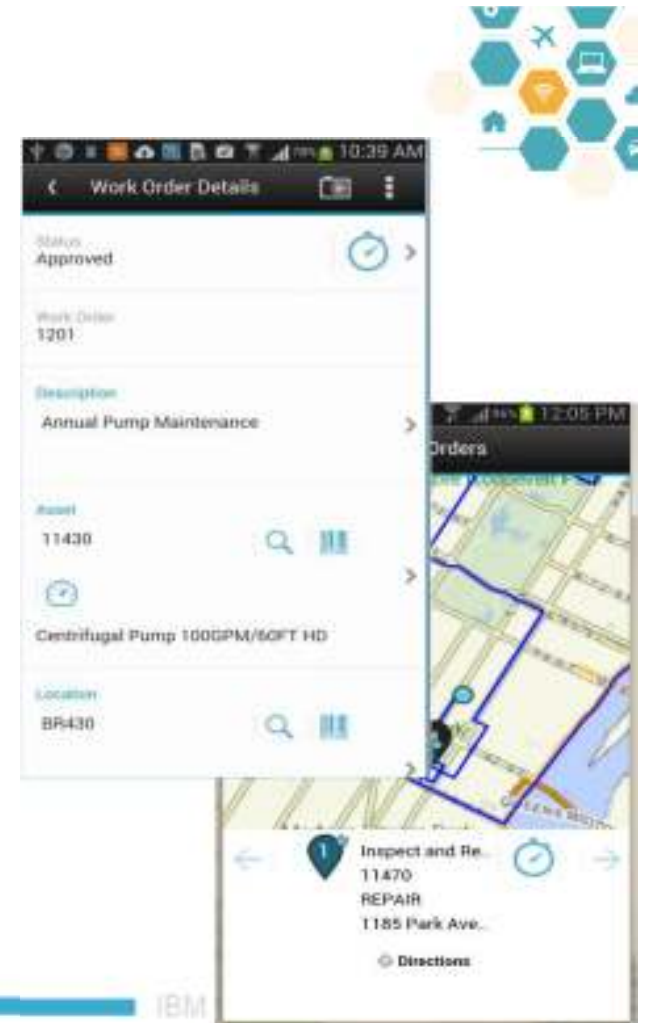
Failure Reporting

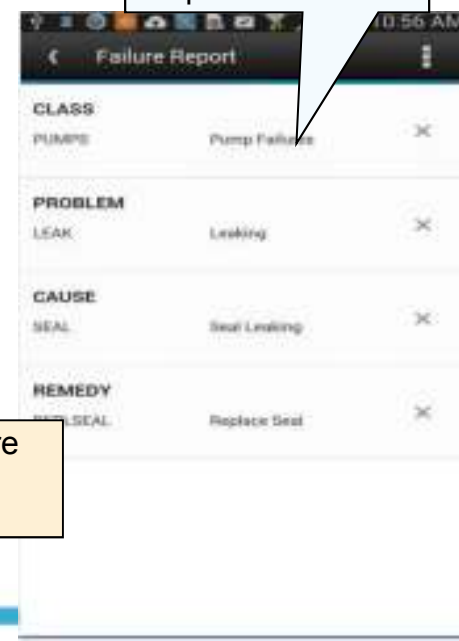Failure Class present from the Asset record or can be added if new record

Capture hierarchical Symptom, Cause, and Action details to create a complete failure
report

Complete Failure Report

Indication of the Assets Failure Class

Remedy choices based on Failure Class, Symptom, and Cause selections

Meter Readings

Capture readings for all asset or location meters on the downloaded work orders or tasks

Respect continuous, gauge, and characteristic meters

Rollovers

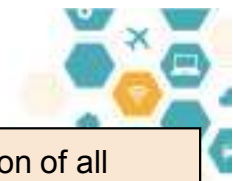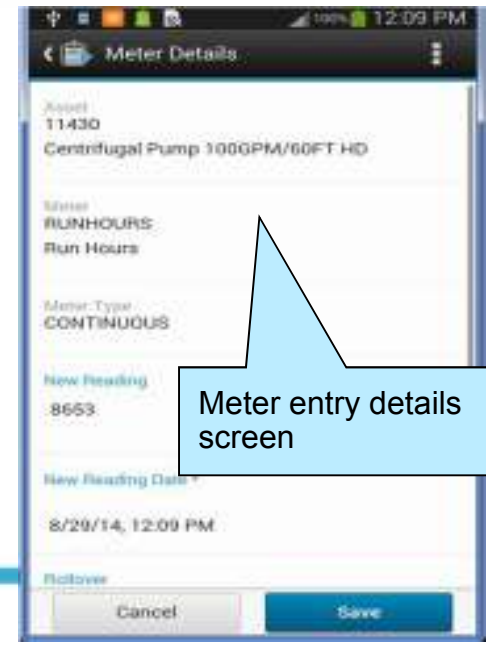Entries are date, time, and user stamped

Illustration of all meters present for the Asset or Location

Meter indicator showing that a meter is present on the Asset or Location

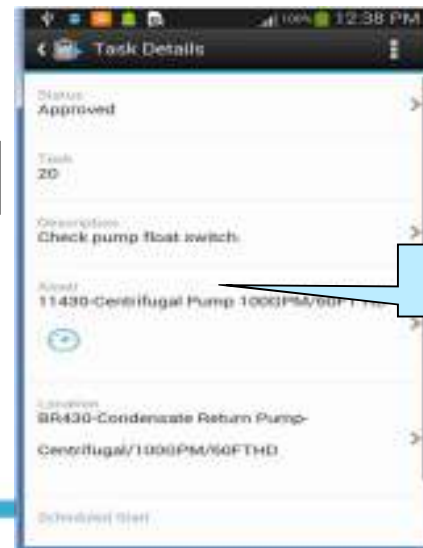Meter entry details screen

Meter Readings cont'd

Valid entries for Characteristic meters (i.e. oil colour or
condition) that are present in Maximo as a domain will be
shown as such on the meter screen

Meter detail entry is available in multiple areas to provide
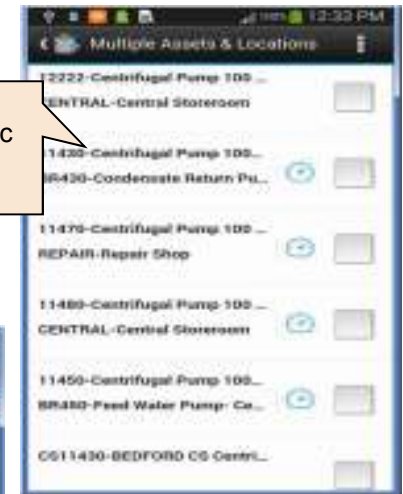flexible entry options for the field technician

Multi Asset Loc
list screen

Work Details screen

Task Details screen

BM Internet of Things

Attachments

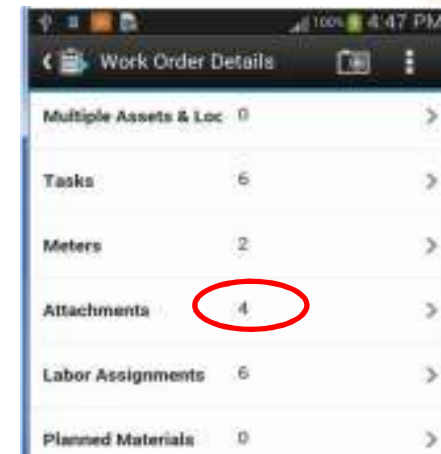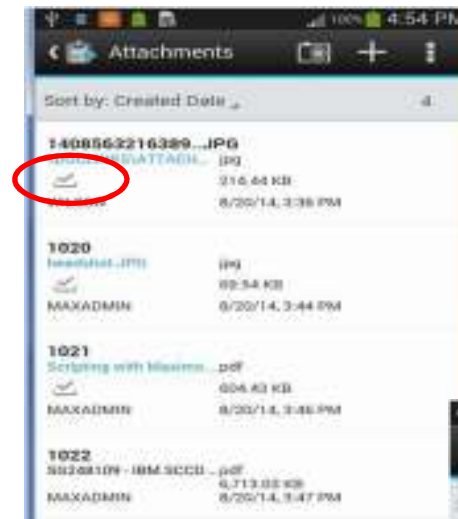Review documents, drawings, etc. from
downloaded work orders

Download to device upon refresh

Take photos and link them to new or existing
work orders, upload to Maximo

Filter based on size

Clear visible indicator that the document has
been downloaded to the device

Attach files from the devices gallery

Maximo Anywhere

New With Maximo Anywhere 7.5.2

Maximo Based Administration Applications

- Easily create & manage queries…

- Dynamically build the queries to control/limit the data delivered to a device…

- Group level controls now available to permit the quick addition/deployment to additional users or groups of users

- Conveniently set implementation & performance settings without coding or redeployment

**Maximo Anywhere**

Inspection Application

Inspection

Similar to Work Execution in many ways, but oriented for ease of use for the Inspection task

Designed to accommodate the multiple ways that

Maximo customers may choose to perform

Inspections…

- Utilizing Tasks

- Utilizing Specifications

Display only what is used in clients' approaches to

their inspections… meters, tasks, specifications, etc.
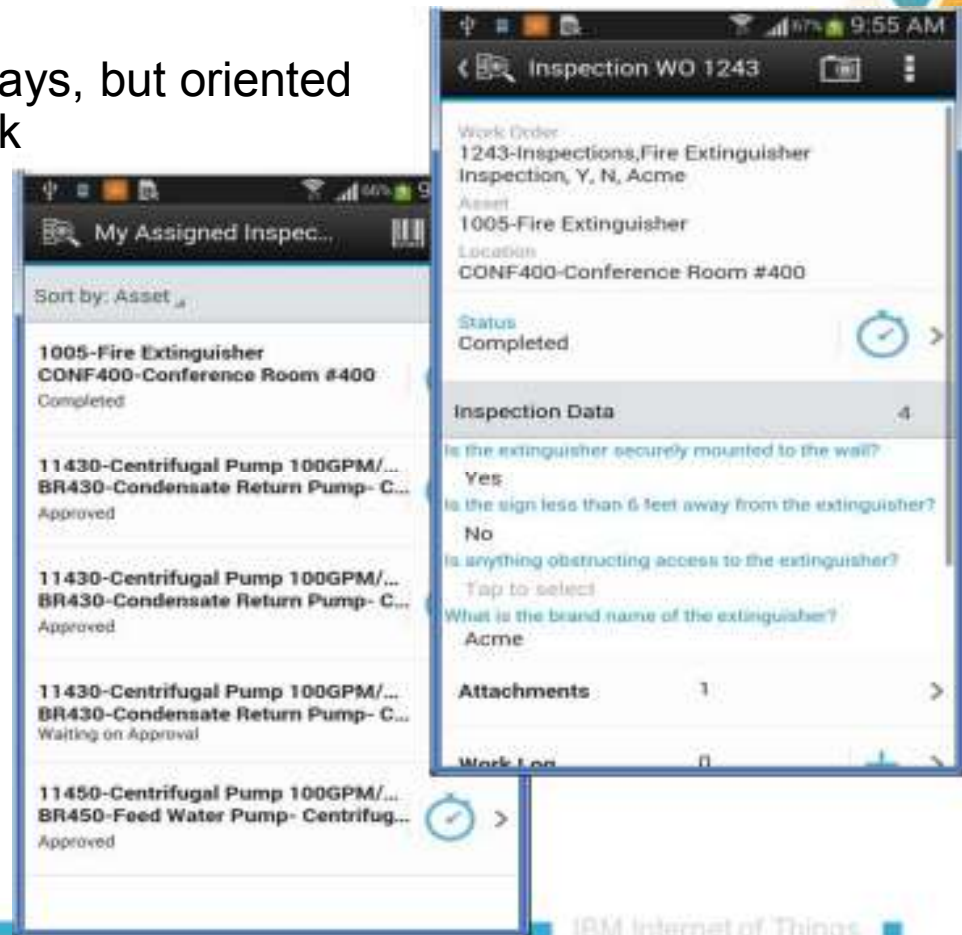
Inspection – Detail Screen

Display only what is needed
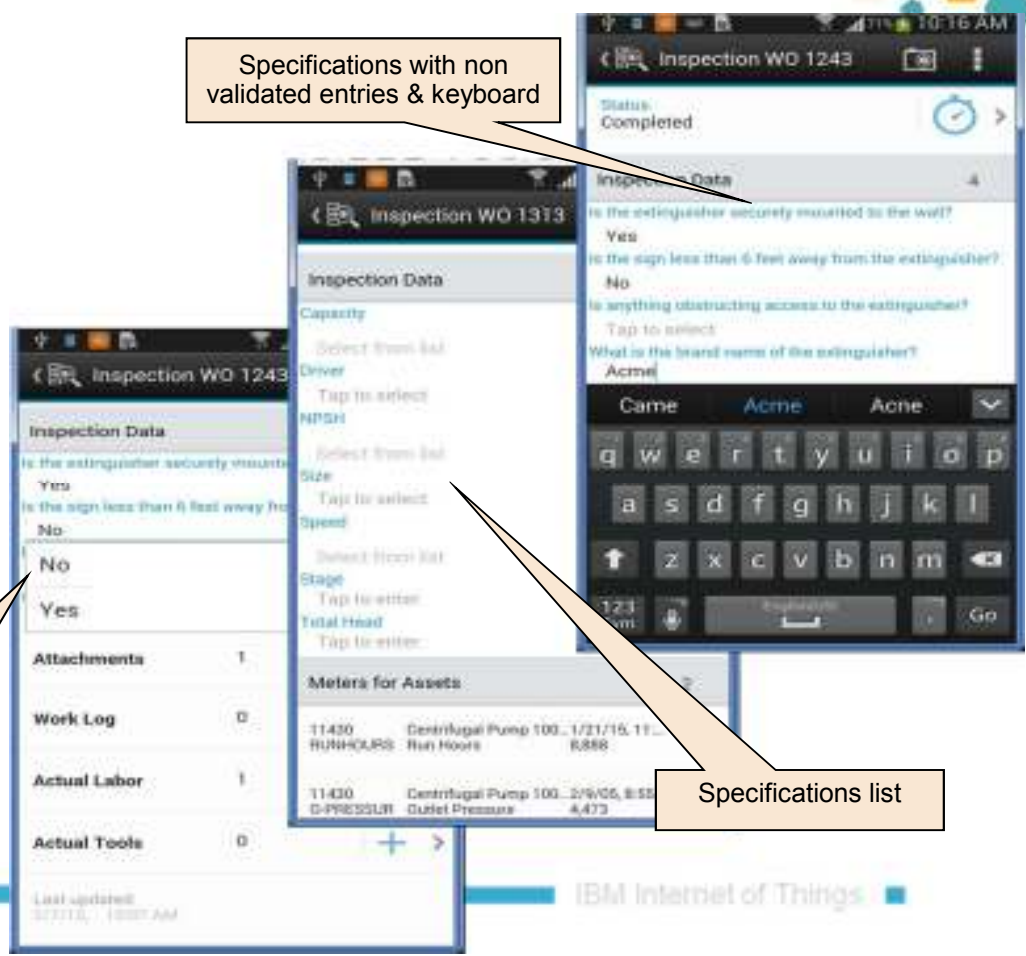
Tasks

Meters

Specifications

If domain present, small (less than 5 values) selector
    or larger select lookup

No domain yields a keyboard, or voice to text option

Specifications with non validated entries & keyboard

Small drop down selector

Specifications list

IBM Internet of Things

Maximo Anywhere

Physical Count
Application

Physical Count – Details

The Physical Count list screen will show a list of items that need to be counted
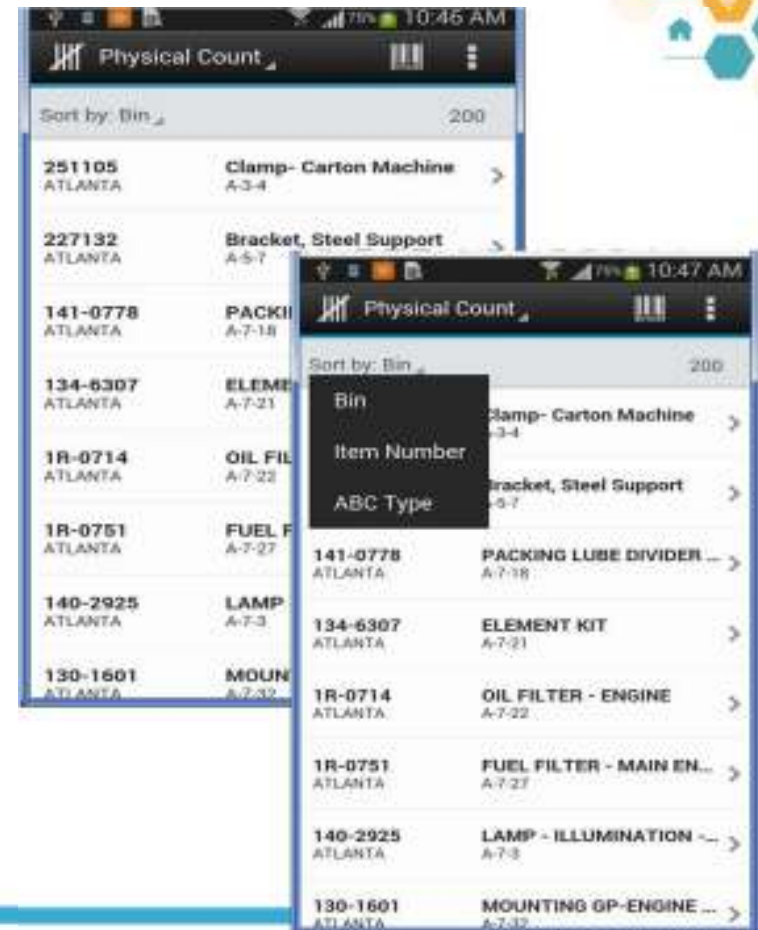
Includes Item Number, Description, the Storeroom, the Bin where the count is to be conducted, however this is easily configurable

Sort by:

- Bin (default)

- Item Number

- ABC Type

Barcode scanning for ease of counting

ISM Library release is "connected" only. Disconnected will be available with the platform release.

Physical Count – Details

Supports Blind and Non-Blind Counting

Adhoc counting

Recounting (with knowledge of the previous counts)

Intuitive differentiation of Ad Hoc vs Recount based on count history

Records deemed recounts receive the past count history presented to the user

Blind Count

Current Balance

Non-Blind Count