

# Maximo ECRI Integration for Healthcare



- ECRI Institute is an independent, nonprofit organization that researches the best approaches to improving the safety, quality, and cost-effectiveness of patient care.
- Provides 2 Web Services we have integrated with
  - Sourcebase – unique Company and Medical Device codes
    - UMDNS – Universal Medical Device Nomenclature System
  - Alerts Tracker – Medical device manufactures reporting hazards and recalls
- ISM release
  - <https://www-304.ibm.com/software/brandcatalog/ismlibrary/details?catalog.label=1TW10MA2U>

## ECRI – Getting Started

- Customers must purchase subscriptions from ECRI for the Sourcebase and Alerts Tracker Web Services
  - ECRI will provide them with userid/pswd and for Alerts Tracker and Organization name
  
- After using PSI installer to install the offering to the Maximo site
  - ECRI site is SSL and so their certificate must be added to the application server

## Integration - Interactions

- The IBM Maximo ECRI Integration for Healthcare provides 29 Interactions that are used in 8 applications
  
- Interactions create
  - Invocations Channel
  - Object Structures
  - End Points
    - All are prefixed with AT or SB – **Never change or delete these**

# Administration

- Customer must determine what level their ECRI accounts will operate on
  - Administration – Organizations
    - Select action – ECRI Account Setup
      - Dialog for user to select System, Organization or Site level
- 2 new administration applications have been created
  - Healthcare/ECRI Administration
    - ECRI Sourcebase Admin
    - ECRI Alert Tracker Admin
  - User fills in the userid/pswd and optionally the Organization # that ECRI provided them with their subscription
  - Test Connection is available from each account set up
- User Profile – Default Information
  - User must select the Sourcebase and Alert Tracker accounts they will be using
    - Unless set to system level – with only one account this is not necessary

# Companies

- Companies and Company Master applications
  - Sourcebase web service for Company codes
  
- New field ECRI Company Code with a look up icon
  - Lookup opens dialog that integrates with ECRI Sourcebase web service
    - Searching available by Company Code, Key Word and UMDNS Code
      - o Key Word allows the user to filter by country and state
    - User selects a value from the results and the ECRI Company Code and the following fields are filled in from the interaction
      - o Company Name
      - o Home Page
      - o Company Type – new values added for Servicer and combinations of Manufacturer, Vendor and Servicer
      - o Address information also added – new fields – Address 2, Country and 800 Phone

## Medical Devices - Assets

- Assets, Asset Template, Item Master (rotating item only)
  - Sourcebase web service for UMDNS codes
  
- New ECRI UMDNS field available in all applications
  - Assets and Item Master have a section for ECRI Information
    - Assets includes the Servicer field within this section
  - Lookup opens dialog that integrates with ECRI Sourcebase web service
    - Searching available by Company Code, Key Word and UMDNS Code
    - User selects a value from the results and the ECRI UMDNS Code and the device description

## ECRI – Forwarded Codes

- A company is bought by another company
- A company splits divisions into separate companies
- Changes to the ECRI UMDNS structures may cause them to reclassify a medical device with a new UMDNS code
  
- In these cases ECRI provides the forwarded codes in the search results of the interactions
  - If the user selects a code that has been forwarded then the forwarded code will be returned to Maximo rather than the old code



# ECRI Alerts Tracker

- New Application created under the Work Order menu
- From the List page the user can push and pull data to and from ECRI via the Alerts Tracker Web Service
  - Crons have been created to run all these interactions so the user does not need to run manually if they do not wish to
  - All transactions will be done for the user's default Alerts Tracker account
- Get ECRI Alerts
  - User is provided with a dialog to select the dates they wish to pull alerts from ECRI – the date is defaulted to the date it was last run successfully
- Push Statuses to ECRI
  - Push all new Alert statuses changes that have not been pushed successfully before
- Push Work Order Actions to ECRI
  - Push all new Alert Work Order Activities that have not been pushed successfully before

## ECRI Alerts Tracker – List Page

- All ECRI Alerts will be displayed on this page except for those that have an ECRI Status of “Not Applicable” or “Applicable – Closed”
- ECRI Statuses
  - New Alerts have a status of “Not Viewed”
  - User can change the Status to either “Not Applicable” or “Applicable – Open”
    - When the user changes the status – it changes the Alert Status field
      - The ECRI User Status field will not reflect this change until the Statuses have been pushed to ECRI and the Get Alerts has returned the update to the Alert
  - In order to close an Alert the user must go to the ECRI site and mark the Alert “Applicable – Closed”
    - This functionality is not available from the web service

## ECRI Alerts Tracker - ECRI Alert tab

- This page shows the user all the information Maximo received for the Alert from the Web Service
- The Accession # ECRI uses to uniquely identify an alert has a chevron link beside the field
  - This link is available anywhere this field is displayed
  - Opens and new window connecting to ECRI's Alert Tracker online where the user can pull up more information for the Alert
    - The user will need to log onto the site the first visit
    - Not all information for the alert is available through the web service
    - It is good for the user to copy relevant information from the alert when creating the Work Order

## ECRI Alerts Tracker – Assets tab

- This page allows the user to find all assets effected and associate them to the alert
- The Select Value button in the Assets table will open a search dialog that searches for matches and displays the results
  - All the UMDNS codes from the Alert are comma delimited in the UMDNS field
    - Note that the Alert shows a dash in the code which Maximo filters out for searching as Sourcebase does not include the dash in that web service
  - The ECRI manufacturer codes are looked up for the matching Maximo Company code and these are filled into the Manufacturers field
- The user can search for assets in all the normal ways if the Asset data doesn't have the UMDNS codes in it yet

## ECRI Alerts Tracker – Actions

- **Create Work Order**
  - Dialog will appear for the user to fill in details
  - Alert must be in “Applicable – Open” status to create a Work Order
  - Work Order Activity status created
  - All assets associated with the Alert will be forwarded to the Work Order Multiple Assets section
- **View Work Details**
  - Display on Work Orders associated to this alert
- **View Alert History**
  - Shows all the version of the Alert we have received from ECRI
- **Alert Status and Action History**
  - Displays the history of all status and action events for this alert

## Work Order – ECRI Alert changes

- Priority section
  - New ECRI Alert Priority field added
- Related Records tab
  - New Related Alerts table added
  - All Alerts associated to the Work Order displayed here
  - User can related an Alert to the current Work Order
  - Chevron available to link to the ECRI site for this alert
- When Work Order is closed a Alert Work Order Activity will be created to be forwarded to ECRI
- Once the Work Order is complete the user will need to go to the ECRI Alert Tracker site and mark this alert “Applicable – Closed”
  - Once the user Gets Alerts from ECRI again the Alert ECRI User Status will be updated to this value and it will disappear from the Alerts Tracker list page

# ECRI Integration

- Demo
- Questions?