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| ­­  OpenLMIS 2.0 Release Product Overview  March 9, 2016 |  |
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*The global initiative to develop shared, open source solutions for managing medical commodity distribution in low and middle income countries. OpenLMIS: Configurable. Interoperable. Open Source.*

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# Background

Significant contributions from PATH, USAID, Rockefeller Foundation, the Bill & Melinda Gates Foundation, the UN Commission on Life-Saving Commodities, and others first helped shape OpenLMIS. JSI customized and extended the initial OpenLMIS code base (v0.9) for national deployments in Tanzania and Zambia in late 2013 under the name “eLMIS.” In 2015, eLMIS was also deployed in Cote D’Ivoire. OpenLMIS software development continued with the v1.0 release, which was deployed by VillageReach to manage vaccine distribution in Mozambique and Benin.

As new installations of OpenLMIS were developed and deployed, challenges surfaced related to the OpenLMIS software internals. A key challenge was the inability to easily extend the code base, which resulted in a “code fork” between the Tanzania and Zambia eLMIS implementations and the Mozambique and Benin OpenLMIS v1.0 implementations.

In an effort to address the fork, the community agreed to begin working toward a common master branch hosted on GitHub. ThoughtWorks created the “2.0” branch based on the eLMIS code line, and the community has kept it current with updates from both eLMIS and a new facility stock management project led by CHAI in Mozambique. Merges of project code to this branch were regularly performed until December 2015 at which point they were halted to prepare for a stable “2.0” release of OpenLMIS. The 2.0 release has the shared feature footprint of v1.0, eLMIS, and CHAI Mozambique as of December 2015.

# Introduction to Toggling

Merging the OpenLMIS v1.0, eLMIS and CHAI Mozambique code lines has introduced new issues. The OpenLMIS Community encountered two major challenges to reach this combined 2.0 release:

* Some code was pulled in unfinished as it was under active development at pull time or because it had been built as a proof of concept and abandoned;
* Some implementations of features conflict from codebase to codebase. An example of this is the standard requisition process used in eLMIS versus the one-click requisitions used for the vaccine module.

Our approach to resolve these issues was to create a “feature toggle.” A feature toggle is simply a user permission configuration. Similar to the way an administrator can assign a particular user the ability to view a report and block another user from accessing that same report, the default build of the 2.0 release provides all users access to a default set of “toggled on” features. These features are the basis for the 2.0 release feature footprint: if a feature is toggled off, no users will be able to access that feature.

*It is important to note that features which have been toggled off still exist in the 2.0 code base and are still available for use.*

Partners building on the 2.0 release have access to the complete feature footprint of v1.0, eLMIS, and CHAI Mozambique as of December 2015. The features in these code lines are accessible by providing additional permissions to all users. Please see [this short wiki page](https://openlmis.atlassian.net/wiki/display/OP/2.0+Feature+Toggle+Mechanism) for instructions on enabling these additional permissions. Furthermore, individual features can be singled out and toggled on by loading the appropriate permissions.

# Toggling Criteria

The following criteria was used to determine whether a feature would be toggled “on” or “off” by default:

1) **Domain fit** – Does the feature align with the LMIS domain that was part of the consensus reached during the 2015 OpenLMIS Community Meeting?

2) **Code quality** – Is this code free of obvious bugs? Moving forward, more rigorous standards will be applied to code contributions for the core OpenLMIS. For the purposes of 2.0, however, the focus was to avoid any variations from expected behavior.

3) **Generically Implemented Code** – Was this code written in a way that can be easily reused by another implementation, or was it tailored to a specific use case? For example, will a report break if given a geographical hierarchy of four levels rather than three?

Where a feature has been toggled off for failing to meet one of these criteria, the reason has been noted in the 2.0 Release Summary below. Furthermore, only toggled on code has been tested as part of the 2.0 release. The OpenLMIS Community does not guarantee the proper functioning of “toggled off” code, and partners incorporate such code at their own risk.

# Toggle Decision Feedback & Review

Decisions to toggle specific features on or off are open to community review. If any partner believes that features have been toggled on or off incorrectly, they are welcome to schedule a discussion with the product committee.

Contact information and a list of upcoming meetings (every 2 weeks) for the product committee available [here](https://openlmis.atlassian.net/wiki/display/OP/Product+Committee).

# Summary of Feature Toggles in the 2.0 Release

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Feature** | **Sub-Feature** | **Sub-Feature** | **Description** | **Funded By** | **Comments for 2.0 Release** | **Toggle Status** |
|  |  |  |  |  |  |  |
| **Requisitions** |  |  |  |  |  | **✓** |
| Create/Authorize |  |  | Allows the creation of a new requisition for supply periods | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Fully Supply (/Priority Drugs and Medical Supplies) |  | Allows user to enter requisition information for full supply products, optional data validation and display of budget information | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Disallow skipping a product if any data has been entered on the row |  | Business rule | USAID |  | **✓** |
|  | Non-Full Supply (/Additional drugs and Medical Supplies) |  | Allows user to add additional non-full supply products to the requisition, specify quantity requested, and reason, with optional display of budget information | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Regimens |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  |  | Additional configurable columns related to gender/age | Added the following columns to all non-Essential Medicines programs: Patients on Treatment Adult, Patients on Treatment Children, Patients to Initiate Treatment Adult, Patients to Initiate Treatment Children, Patients Stopped Treatment Adult, Patients Stopped Treatment Children | USAID |  | **✓** |
|  | Deleting an R&R |  | Allows the user creating an R&R to delete it PRIOR to submitting it | USAID |  | **✓** |
|  | Hide/Display non-full supply tab |  | Program Setting to hide or display the non-full supply tab | USAID |  | **✓** |
| Approve |  |  | Allows supervisor (or appropriate personnel) to review and approve submitted requisitions | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Reject an R&R |  | Allows an approver to reject an r&r, sending it back to initiatilized status and allowing the original requisitioner to modify and re-submit data. | USAID |  | **✓** |
|  | Allow the approver to change quantity ordered |  |  | USAID |  | **✓** |
| Convert to Order |  |  | Allows approved requisitions to be converted to orders | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Allow user to assign supplying depot to orders during Convert to Order |  |  | USAID |  | **✓** |
| View |  |  | Allows user to view requisitions based on selected facility, program, and date filters | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
| **Orders** |  |  |  |  |  | **✓** |
| View Orders |  |  | Allows user to view list of orders, order status, and download as CSV file as well as | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Required filtering of order list by: program, schedule, year, period, and supply depot |  |  | USAID | In future editions, these filters should be optional | **✓** |
| Manage POD |  |  | Allows user to update proof of delivery information for each order, to change order status to received. Allows users to identify the program and facility (or all facilities) for which they want to view or edit | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Ability to filter by program and facility |  |  | USAID |  | **✓** |
| **Distribution** |  |  |  |  |  | **✓** |
| Manage |  |  | Allows the initiation of a supply distribution to a specified delivery zone, for a specified program and period. Data from initiated distributions will be cached on the device (laptop or tablet) for offline access to the “Record Data” function | BMGF Final20 |  | **✓** |
| View Load Amounts |  |  | A report showing the amount of each commodity that should be loaded prior to beginning a distribution | BMGF Final20 |  | **✓** |
| Record Data |  |  | Allows user to record logistics and program data for all facilities included in an initiated distribution. This feature is available offline | BMGF Final20 |  | **✓** |
|  | Visit Info / Observations |  | General information regarding the facility, including date visited and observations | BMGF Final20 |  | **✓** |
|  | Refrigerators |  | Status of refrigerators at the facility | BMGF Final20 |  | **✓** |
|  |  | Fridge status | Record data about fridge status | BMGF Final20 |  | **✓** |
|  | EPI Inventory |  | SoH for EPI commodities | BMGF Final20 |  | **✓** |
|  |  | Ideal quantity | Ideal quanitity per product (in vials) displayed | BMGF Final20 |  | **✓** |
|  | EPI Use |  | Stock movements during the previous period | BMGF Final20 |  | **✓** |
|  |  | Losses | Record total number of losses | BMGF Final20 |  | **✓** |
|  | Full Coverage |  | Matrix of males and females covered by health facility and outreach activities | BMGF Final20 |  | **✓** |
|  | Child Coverage - Mozambique |  | RI information for children serviced by the facility based on Mozambique's child coverage form | BMGF Final20 |  | **✓** |
|  | Adult Coverage |  | RI information relating to adults | BMGF Final20 |  | **✓** |
| Sync |  |  | Allows data collected offline to be synchronized with the LMIS online system when user has suficient wifi signal | BMGF Final20 |  | **✓** |
| Delete |  |  | Delete cached distribution data (including any non-synced data) from the device | BMGF Final20 |  | **✓** |
| **Reports** |  |  |  |  |  | **✓** |
| Admin Reports |  |  | These reports are export style reports available in pdf, xls, csv, and html formats. They primarily help admins troubleshoot configuration issues with their OpenlMIS instance. These Reports have no filters. | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Delivery Zones Missing Manage Distribution Role |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facilities Missing Authorize Requisition Role |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facilities Missing Create Requisition Role |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facilities Missing Supporting Requisition group |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Order Routing Inconsistencies |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Requisition Groups Missing Supply Line |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Supervisory Nodes Missing Approve Requisition Role |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
| Admin |  |  | Hard coded administrative reports available for view or download in PDF or Excel format |  |  | **✓** |
|  | Facility List |  | List of facilities and basic information. Can be filtered by program, geographic zone, facility type, and status. Mailing labels can be printed for the selected facilities | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | User Summary |  | Displays proportion of users in various functions. Can be filtered by supervisory node, role, and program | USAID | Toggled-off due to lack of clarity on the purpose of this report. Excel and PDF portions of this report do not generate correctly (the role is missing) and important columns are missing. | **X** |
| Consumption |  |  | Hard coded consumption reports available for view or download in PDF or Excel format | USAID |  | **X** |
|  | Aggregate Consumption |  | Displays consumption information by program, schedule, year, and period. Can be filtered by geographic zone, product category, and product | USAID | Toggled-off due to bugs in sorting by column | **X** |
|  | Consumption Average by Product |  | Displays consumption of products by period type and date range. Can be filtered by requisition group, zone, facility type, facility, product category, and product(s) | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | District Consumption Comparison |  | Displays consumption of products by district based on program, schedule, year, and period. Can be filtered by geographic zone, product category, and product | USAID | Toggled-off due to inability to generate any returns on data | **X** |
|  | Export to PipeLine |  | Creates CSV or Excel export file based on program, schedule, year, and period | USAID | Specific to a particular use case, toggled off by default | **X** |
| Equipment Reports |  |  | Hard coded equipment reports available for view or download in PDF or Excel format | USAID |  | **X** |
|  | Lab Equipment List |  |  | USAID | The link for this report actually forwards to the Adjustment Summary Report. | **X** |
|  | Lab Equipments by Funding Source |  | Lists lab equipment based on funding source by program. Can be filtered by geographic zone, donor, facility type, facility, equipment type, and label equipment | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | Lab Equipments by Location |  | Displays map with markers of lab equipment based on locations and operational status by program. Can be filtered by geographic zone, facility type, facility, equipment type, and label equipment. Information about service contract status also available | USAID | Toggled-off due to Tanzania specific implementation of the map functionality. | **X** |
|  | Repair Management Report |  | Report showing facility, facility type, fridge type, and status of fridge (functional, not functional, not installed) both in aggregate and by list for all facilities. Sortable by program, facility level, and type of list. | USAID | Unable to make filters generate correctly in 2.0; toggled-off pending further support | **X** |
|  | Cold Chain Equipment Inventory |  | Report showing all\* data related to cold chain equipment | USAID | Does not seem actionable; toggled off | **X** |
|  | Cold Chain Equipment Storage Capacity |  | Report showing current refrigerator/freezer capacity, required refrigerator/freezer capacity, and gap. Filterable by Program and Facility Level | USAID | Report appeared incomplete as of the last pull from VIMS; toggled off | **X** |
|  | Replacement Plan Summary |  |  | USAID | Outside domain; toggled off | **X** |
| Order Fulfillment |  |  | Hard coded order fulfillment reports available for view or download in PDF or Excel format | USAID |  | **X** |
|  | District Order Compilation |  | Displays order compilation by district based on program, year, and period. Can be filtered by schedule and geographic zone | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | Order Fill Rate Report Summary |  | Displays pie chart of order fill rates by program, schedule, year, and period. Can be filtered by geographic zone and facility type | USAID | Report does not appear actionable. | **X** |
|  | Order Fill Rate Report by Facility |  | Displays chart of order and item fill rates by program, schedule, year, period, and facility. Can be filtered by geographic zone, facility type, product category, and product | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | Order Report |  | Creates voucher for medical supplies | USAID | Tanzania specific voucher form | **X** |
|  | Report and Requisition Feedback |  | Lists requisition and inventory information for products based on program, schedule, year, and period. Can be filtered by order type, geographic zone, facility type, facility, and product | USAID |  | **X** |
|  | Seasonality/Rationing Adjustments |  | Displays information on seasonality or rationing adjustments made by program. Can be filtered by geographic zone, product category, and product. | USAID | This report was never fully implemented | **X** |
| Regimen Report |  |  | Hard coded regimen reports available for view or download in PDF or Excel format | USAID |  | **X** |
|  | Aggregate Regimen |  | Displays aggregate information of patients on, to initiate, or stopped a treatment regimen by program, schedule, year, and period. Can be filtered by geographic zone, category, regimen | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | Regimen Summary |  | Displays distribution of regimen patients by facility based on program, schedule, year, and period | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | Regimen Distribution by District |  | Displays distribution of regimen patients by district based on program, schedule, year, and period | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
| Report Status |  |  | Hard coded report status reports available for view or download in PDF or Excel format | USAID |  | **X** |
|  | Non Reporting Facilities |  | Displays chart and list of reporting statistics for facilities based on program, schedule, year, and period. Can be filtered by geographic zone | USAID | This report does not seem actionable. The pie chart does not allow drill-downs, so I don’t see a way for the user to divine which of the listed facilities is reporting vs not reporting. | **X** |
|  | Reporting Rate |  | Displays map with color-indication of reporting rate status of districts based on program, schedule, year, and period. Filterable by indicator | USAID | Toggled-off due to Tanzania specific implementation of the map functionality. | **X** |
|  | Timeliness |  | Displays information on timeliness of reporting by district based on program, schedule, year, and period, and filterable by geographic zone | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
| Stock Keeping |  |  | Hard coded stock reports available for view or download in PDF or Excel format | USAID |  | **X** |
|  | Stock Ledger Report |  |  | USAID |  | **X** |
|  | Vaccine Stock Status |  |  | USAID | Not working as of 2.0 release | **X** |
|  | Adjustment Summary |  | List of adjustments applied for each product based on program, schedule, year, and period, and filterable | USAID | Toggled-off due to non-generic code implementation | **X** |
|  | Stocked Out |  | List of products stocked out at facilities based on program, schedule, year, and period, and filterable | USAID | Toggled-off due to hard-coded geographical hierarchies | **X** |
|  | Stock Imbalance by Facility |  | List of stock imbalance at facilities based on program, schedule, year, and period, and filterable | USAID | Toggled-off due to hard-coded geographical hierarchies as well as assumptions on the configuration of the R&R | **X** |
|  | Summary Report |  | List of product stock overall based on program, schedule, year, and period, and filterable | USAID | Toggled-off due to assumptions on the configuration of the R&R | **X** |
|  | Supply Status by Facility |  | Supply status of facilities based on program, schedule, year, and period, and filterable | USAID | Toggled-off due to formatting issues / visual errors on display & because of assumptions on the configuration of the R&R | **X** |
|  | Stock Status by Location |  | Map of product stock by program, district, and period | USAID | Toggled-off due to Tanzania specific implementation of the map functionality. | **X** |
|  | RMNCH Product Stock Status |  |  | Total Requisitions by Status | Never fully implemented | **X** |
| **Export** |  |  | Allows for export of LMIS Data to other systems (primarily an ERP). See system settings. |  |  | **✓** |
|  | Export of Order Data to local folder |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Export of Order Data via FTP |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
| **Upload** |  |  | Allows for upload of CSV files to perform initial system set-up and configuration. See the OpenLMIS Configuration guide for more information on using upload scripts. |  |  | **✓** |
|  | Delivery Zones |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Delivery Zone Members |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Map Delivery Zones to Program Schedules |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Delivery Zone Warehouses |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Dosage Units |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facilities |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facility FTP Details |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facility Operators |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facility Program Product ISA |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facility Types |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Facility Approved Products |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Geographic Levels |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Geographic Zones |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Price Schedules |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Products |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Product Category |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Product Forms |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Product Groups |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Programs |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Program Product |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Product Prices per Program |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Programs supported by Facilities |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Regimen Categories |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Requisition Groups |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Requisition Group Members |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Map Requisition Group Members to Programs + Schedule |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Stock Adjustment Reason |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Stock Adjustment Reason by Program |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Supervisory Nodes |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Supply Lines |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Users |  |  | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
| **Configure** |  |  |  |  |  | **✓** |
| R & R Template |  |  | Allows configuration of report and requisition template for each program | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Program Settings |  | Allows an administrator to assign a program name and code as well as configure settings specific to that program. | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Template Settings |  | Allows the administrator to configure which columns appear on the report and requisition form. | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
| Regimen Template |  |  | Allows configuration of reporting fields and regimens for each program | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Reporting Fields |  | Allows the configuration of regimen columns | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Regimen(s) |  | Allows for the creation of and editing of adult and pediatric regimens | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
| Seasonality/Rationing Type |  |  |  | USAID |  | **X** |
| Adjustment Basis (Formula) |  |  |  | USAID |  | **X** |
| Program Product ISA |  |  | Allows configuration of the Ideal Stock Amount ("ISA") formula for each product by program, including all inputs into the formula | BMGF Final20 |  | **✓** |
| System Settings |  |  | Allows configuration of csv formats for interfaces with external systems as defined by Facility FTP Details (see Exports section for additional information) | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Order file |  | Allows configuration of order files | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Shipment file |  | Allows configuration of shipment files; however this feature requires additional work to make it functional at pickup up shipment files via FTP from remote systems! | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Budget file |  | Allows configuration of budget files | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
|  | Order number |  | Allows configuration of order numbers | v0.9 consortium: Rockefeller, USAID, BMGF, PATH |  | **✓** |
| Other Settings |  |  | Allows configuration of additional settings | USAID |  | **✓** |
|  | Analytics |  | Allows the activation of google analytics | USAID |  | **✓** |
|  | Dashboard |  | Allows for the configuration of the Dashboards | USAID |  | **X** |
|  | General |  |  | USAID |  | **X** |
|  | Notification – Email |  | Allows for the configuration of several different email notification formats | USAID | Contains combined fields from CHAI Moz and eLMIS that need to be eventually decoupled | **✓** |
|  | Notification - SMS |  | Allows for the configuration of several different SMS notification formats | USAID |  | **✓** |
|  | Order Export |  |  | USAID |  | **X** |
|  | R & R |  |  | USAID |  | **X** |
|  | Report Labels |  | Allows the configuration of report output specific variables such as Country name, logo, organization name, etc. | USAID | Seed data is a mix of Tz and Zm, metadata is fairly generic | **✓** |
|  | VACCINE |  |  | USAID |  | **X** |
| **Messages** |  |  | Displays list of SMS messages sent to user account and allows user to send a new SMS |  |  | **X** |
| **Demographic Estimates** |  |  | Category-based population numbers for each Facility, for each year |  | The OpenLMIS core team finds value in being able to define alternate population sources. However, as this functionality was not full functional at release, it was toggled off. | **X** |
| Demographic Categories |  |  | Allows the user to define population groups (e.g. "children 0-2") | USAID | Toggled off because the hooks to take advantage of this functionality does not exist in 2.0 and the prospect of this piece not communicating with ISAs seemed confusing | **X** |
| Annual Facility Demography |  |  | Allows the user to utilize demographic categories to apply alternate population estimates (apart from the default catchment population value assigned on the facility). | USAID | Toggled off because the hooks to take advantage of this functionality does not exist in 2.0 and the prospect of this piece not communicating with ISAs seemed confusing | **X** |
| Annual District Demography |  |  | Allows users to enter demographic categories for a specific district | USAID | toggled-off because this relies on a VIMS specific roll-up method (and assumes that District makes sense given a hypothetical geographical hierarcy). | **X** |
| **Manage** |  |  |  |  |  | **/** |
| Facilities |  |  | Allows user to add facilities, and/or lookup and edit information for existing facilities |  |  | **✓** |
|  | Facilities - Integrations |  | A sub-section on a Facility detail. For a specific eLMIS integration feature |  |  | **X** |
|  | Facilities - Pictures |  | A sub-section on a Facility detail displaying an image |  | Toggled off - added for an eLMIS implementation but was not adopted | **X** |
|  | Facilities - Price Schedules |  | A sub-section on a Facility detail. Not 100% certain how this works |  | Added by eLMIS | **✓** |
|  | Facilities - Map |  | Shows a Google Map applet describing a facilities location |  |  | **✓** |
| Roles |  |  | Allows user to add, define, and edit different user roles |  |  | **✓** |
| Schedules |  |  | Allows user to add or edit different schedules |  |  | **✓** |
| Users |  |  | Allows addition of new users and editing of user information |  |  | **✓** |
| Supervisory nodes |  |  | Allows addition of new and editing of existing supervisory nodes |  |  | **✓** |
| Geographic zones |  |  | Allows addition of new and editing of existing geographic zones |  |  | **✓** |
| Requisitions groups |  |  | Allows addition of new and editing of existing requisition groups |  |  | **✓** |
| Supply Lines |  |  | Allows addition of new and editing of existing supply lines |  |  | **✓** |
| Facility approved products |  |  | Allows addition of new and editing of existing products based on program and facility type |  |  | **✓** |
| Products |  |  | Allows addition of new and editing of existing products |  |  | **✓** |
| Interfaces |  |  |  |  | Unclear what this does - toggling off pending more information | **X** |
| **Equipment** |  |  |  |  |  | **/** |
| Manage Equipment Inventory |  |  | Provides an overview of all equipment in inventory, including type, location, status, and other attributes | BMGF - VIMS | Equipment > Equipment Inventory | **✓** |
| Equipment types |  |  | Allows addition of new and editing of existing equipment types | BMGF - VIMS | Available via Manage > Equipments > | **✓** |
| Equipment list |  |  | Displays equipment by program and type | BMGF - VIMS | Available via Manage > Equipments > | **✓** |
| Products for Equipments |  |  | Associate Products to Equipments and Programs | BMGF - VIMS | Available via Manage > Equipments > | **✓** |
| Service Types |  |  |  | USAID | Outside domain | **X** |
| Service Vendors |  |  |  | USAID | Outside domain | **X** |
| Service Contracts |  |  |  | USAID | Outside domain | **X** |
| Donors |  |  |  | USAID | Outside domain | **X** |
| Service requests |  |  |  | v2 USAID | Outside domain | **X** |
| Vendor response to service requests |  |  |  | v2 USAID | Outside domain | **X** |
| Repair log |  |  |  | v2 USAID | Outside domain | **X** |
| **Vaccine** |  |  |  |  |  | **X** |
| Diseases |  |  | Allows addition of new and editing of existing diseases for tracking. Attributes tracked include Disease Name, Description, and Display Order. | USAID, BMGF VIMS | Actually found under Administration > Vaccine > Diseases. It's unclear what this feature does - toggled off. | **X** |
| Distributions |  |  | Creation of a vaccine distribution | USAID, BMGF VIMS | Generic Distribution is top level header in 2.0. Vaccine specific distibution toggled off to eliminate confusion. Also wasn't working as of last pull from VIMS. | **X** |
| Reports |  |  |  | USAID, BMGF VIMS |  | **X** |
|  | Monthly Vaccination Report |  |  | USAID, BMGF VIMS | Appears as a collection of reports displayed on the same screen in VIMS. Some of these components are likely re-usable. Unable to generate any data with current seed scripts to test, so toggled off. | **X** |
|  | Completeness and Timeliness |  |  | USAID, BMGF VIMS | What appears to be hardcoded geographical hierarchy. Otherwise can likely be re-used. | **X** |
|  | Performance by Coverage |  |  | USAID, BMGF VIMS | What appears to be hardcoded geographical hierarchy. Otherwise can likely be re-used. | **X** |
|  | Performance by Dropout |  |  | USAID, BMGF VIMS | What appears to be hardcoded geographical hierarchy. Otherwise can likely be re-used. | **X** |
|  | Status of Vaccination Supply |  |  | USAID, BMGF VIMS | What appears to be hardcoded geographical hierarchy. Otherwise can likely be re-used. | **X** |
|  | Trend of Mini & Maxi Cold Chain Temperatures |  | Displays high and low temperatures for refrigerators at facilities for geographical hierarchy and period defined by the user. | USAID, BMGF VIMS | What appears to be hardcoded geographical hierarchy. Otherwise can likely be re-used. | **X** |
|  | Classification of Vaccine Utilization Performance |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
| Vaccine Forecasting |  |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
| Request Form |  |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | View Pending |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | View |  |  | USAID, BMGF VIMS | Did not pick up any facilities from seed or testseed. | **X** |
| Vaccine Inventory |  |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | Products Configuration |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | Stock on Hand |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | Stock Adjustment |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | Receive |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
| VAR |  |  |  | USAID, BMGF VIMS |  | **X** |
|  | Pre Advice |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | Receive Package |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | VAR |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
|  | GTIN Lookup |  |  | USAID, BMGF VIMS | Was not working as of last pull from VIMS, toggled-off. | **X** |
| **ILS Gateway** |  |  | Allows login to ILSGateway account | USAID | Specific to Tanzania | **X** |
| **Dashboards** |  |  |  | USAID |  | **X** |
| Program Dashboard |  |  | Shows reporting rate for each instantiated program by schedule. | USAID | Does not appear to be working on eLMIS, VIMS, or 2.0. | **X** |
|  | {Program} |  |  | USAID | Does not appear to be working on eLMIS, VIMS, or 2.0. | **X** |
|  | Facility |  |  | USAID | Does not appear to be working on eLMIS, VIMS, or 2.0. | **X** |
|  | Notification |  |  | USAID | Does not appear to be working on eLMIS, VIMS, or 2.0. | **X** |
| Summary |  |  | Provides summary information regarding alerts, stock outs, emergency requisitions, and reporting performance. Filterable by program, schedule, year, period, geographic zone, and product | USAID | None of these Dashboards displayed any data on any of the available systems. | **X** |
| Stock Efficiency |  |  | Stock efficiency information including alerts and stock outs. Filterable by program, schedule, year, period, status, geographic zone, and product | USAID | None of these Dashboards displayed any data on any of the available systems. | **X** |
| Order Turnaround |  |  | Order turnaround information including alerts and stock outs. Filterable by program, schedule, year, period, status, geographic zone, and product | USAID | None of these Dashboards displayed any data on any of the available systems. | **X** |
| Stock Outs |  |  | Stock out information. Filterable by program, schedule, year, period, status, geographic zone, and product | USAID | None of these Dashboards displayed any data on any of the available systems. | **X** |
| Notification |  |  | Allows user to send e-mail or SMS notification message for various occurrences to selected facilities | USAID | None of these Dashboards displayed any data on any of the available systems. | **X** |
| RnR Status Summary |  |  | Summary of RnR information for selected program, schedule, year, period, and geographic zone. | USAID | None of these Dashboards displayed any data on any of the available systems. | **X** |
| **Additional Links (Header)** |  |  |  |  |  | **/** |
| **User Profile** |  |  | View and edit basic user information such as contact info, roles, and facilities |  |  | **✓** |
| **Help** |  |  | Allows user to select and view available links for help topics |  | Devoid of content on eLMIS, toggled-off for VIMS. toggled-off from 2.0 | **X** |
| **Logout** |  |  | Allows user to log-out from the system, returns them to the log-in screen. |  |  | **✓** |
| **Additional Links (Footer)** |  |  |  |  |  | **X** |
| About |  |  |  |  |  | **X** |
|  | About Us |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | About eLMIS |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | About eHealth |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | About OpenLMIS |  |  |  | Does not link anywhere; toggled-off. | **X** |
| Distribution System |  |  |  |  |  | **X** |
|  | Central Warehouses |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | Zonal Warehouses |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | Regions |  | List of regions, showing zone, number of districts per region, and number of facilities per region |  | Assumes a specific geographical hierarchy; toggled-off | **X** |
|  | Districts |  | List of districts, showing zone, containing region, and number of facilities per district |  | Assumes a specific geographical hierarchy; toggled-off | **X** |
| Program Commodities |  |  |  |  |  | **X** |
|  | ARV Commodities |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | HIV Commodities |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | ILS |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | TB |  |  |  | Does not link anywhere; toggled-off. | **X** |
| Order Processing |  |  |  |  |  | **X** |
|  | R&R Submission |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | Order Fulfillment |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | Delivery |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | Proof-Of-Delivery |  |  |  | Does not link anywhere; toggled-off. | **X** |
| Reports |  |  |  |  |  | **X** |
|  | Stock Status Summary |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | Consumption Trend |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | Dashboard |  |  |  | Does not link anywhere; toggled-off. | **X** |
|  | GIS Maps |  |  |  | Does not link anywhere; toggled-off. | **X** |