Questions on OpenLMIS

*Please, fill the column “Answers”*

| **Criteria** | **Items** | **Answers (Few words)** |
| --- | --- | --- |
| **Functionalities** | | |
| **Stocks management** | Forecast, capacity planning, storage, inventory, waste management | OpenLMIS focuses on inventory management (stock on hand, adjustments, current inventory in different locations. This can INFORM forecasts because you get consumption data; but the software is not a forecasting or supply planning tool |
| **Supply** | Order, allowance, requisition, planning of the distribution, forwarding, transport, reception | OpenLMIS complete the ordering cycle: lower levels request stock, orders reviewed/sent, then proof of receipt is issued through the system to complete the loop (and automatically update stock quantities) |
| **Température control** | Recording of the temperatures, alarms | Integration with remote temperature monitoring devices via Nextleaf is an option, which would send notifications to OpenLMIS users when a fridge falls out of normal temperature range |
| **CCE management** | Inventory, breakdowns, CCE renewal | CCE Equipment monitoring feature tracks the functional status of vaccine equipment (breakdowns, repair status, etc.) |
| **Configuration** | Sites and hierarchy, vaccines, users, suppliers, CCE models | OpenLMIS is a very flexible system that allows for configuration of all of these elements. During the implementation process, your implementing partner will help to determine exactly what is required and how OpenLMIS can be configured to best support those requirements |
| **eLMIS Administration** | Data analysis, reporting, dashboard, statistics, export, import | OpenLMIS utilizes a robust data reporting and analytics system, based on another open source system called Superset. By default, OpenLMIS includes a number of prebuilt report dashboards which can be updated or added to as part of the implementation process |
| **Technical Features** | | |
| **Dimensioning** | Number of levels : 2, 3 or 4 | If this question is referring to the site hierarchy, OpenLMIS can support as many or as few levels as are needed. Also, the levels can be different for different programs, futher extending the system flexibility |
| **Customization** | User interface, reports… | The UI can be customized in certain areas, such as the Requisition Template, to support any required additional functionality. On the reporting side, OpenLMIS leverages another excellent open source system called Superset which includes very simple customization of reporting types and overall look |
| **Offline possibilities** | Stocks management, CCE management | Data can be entered and cached in ‘offline mode’ ; the stock management function is currently being worked on by the core team and will be available in offline mode by December 2020. |
| **Online possibilities** | Data transfer at higher levels, Data analysis | OpenLMIS works best in an online scenario and is tested to ensure that our performance is not severely impacted by slow speeds. When a good network connection is present, the system will obviously perform better but the overall functionality is the same |
| **Means and costs** : implementation only on the three higher levels : National (DI), Regional (DRSP), District (DS) | | |
| Hardware | Necessary hardware for each level :DI, DRSP and DS | Any desktop from the last 3 years should be fine. The system runs in a browser for the users and so the system requirements are very minimal |
| **Software** | Necessary software for each level :DI, DRSP and DS | Technically, no software licenses are required because the system runs in a browser. However, depending on the other IT needs at these facilities you may want to include the costs for Microsoft Windows, Mircosoft Office, and any other software that is required |
| **Software costs** | For each level | There are no licensing costs for OpenLMIS as the software is open source |
| **Configuration cost** | Input of parameters | This varies greatly depending on a number of factors, including: # of facilities, # of users, amount of customization, amount of training required, integration with other health systems, etc |
| **Training** | What training and what duration | Generally countries opt for a tiered training approach; to train a small group of master users/Trainers of Trainers and then cascade down the training gradually to reach end users in the entire country. The ToT training generally takes around 1 week, depending on the number of trainees and the complexity of the implementation customizations |
| **Hosting possibilities** | OpenLMIS or others | Hosting is possible either locally or in the cloud (currently countries use Amazon Web Services, but other options would be possible). Size and capacity of the server will depend largely on the size of the implementation (number of users, facilities, etc.) |
| **Hosting cost** | Monthly hosting cost | A production-level system will generally cost around 500USD/month, when hosted on AWS. A test system should also be included which would cost around 300USD/month. These estimates can change based on the number of facilities and users |
| **Software maintenance cost** | Annual maintenance cost | Estimate 20-25k (can discuss details of what this entails on our call) |
| OpenLMIS Company | | |
| **Company size** | Number of employees | OpenLMIS is an open source initiative (not a company) and is currently stewarded by a small group of staff employed by VillageReach and PATH (NGOs). To ensure OpenLMIS is sustainable for the long term and not reliant on donor funds, the initiative is transitioning into the hands of a private sector partner who will take over the role of maintaining and growing the software at the global level |
| **Clients** | Number of clients in the world and in Africa | Current clients are all Ministries of Health in Africa (8). See the final page of the attached OpenLMIS Briefing document for the complete list. We have also recently brought on 2 additional countries (Cameroon and Zimbabwe) specifically for the OpenLMIS COVID Edition. |
| **EPI Clients** | Countries which use eLMIS for EPI | The MoH in Benin, Mozambique, Cote d’Ivoire, Tanzania are using (slightly different versions) of OpenLMIS for EPI. See attached OpenLMIS Briefing document for complete list of current OpenLMIS implementations |
| **OpenLMIS technical assistance services for implementation** | Service provided and suggested | OpenLMIS partners have expertise in software development, configuration, training, supply chain, project management, etc. Depending on what expertise/support is available in the country, OpenLMIS partners can organize themselves to provide any additional technical support that is needed to prepare for and exicute a successful implmentation. Suggested activities include : technical requirements gathering, creating project/stakeholder governance structure, software configuration/set up, creation of training materials, conduct training of trainers (then others can continue country-level training) |
| **Technical support in West Africa** | Who ? Where ? | Our current partner network has technical expertise in West Africa (CHAI, PATH for example), but projecting into the future we also anticipate bringing on additional implementing partners to expand the available tech support in West Africa. For example we have talked to WAHO about potential involvement |
| **Community of users** | Does it exist ? | OpenLMIS has a robust community structure to keep users and implementing partners connected via online conversations, regular committee meetings, and annual in-person meetings to share lessons learned and plan for the future |